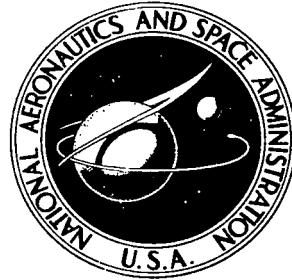


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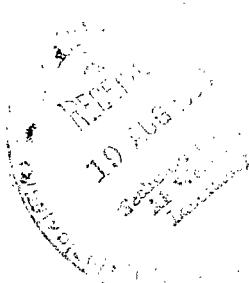


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**CALCULATIONS OF CHANDRASEKHAR'S
X- AND Y-FUNCTIONS AND THEIR
ANALOGS FOR NONCOHERENT
ISOTROPIC SCATTERING**

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Moffett Field, Calif.



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION • WASHINGTON, D. C. • AUGUST 1968



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SUMMARY

Results of calculations of the X- and Y-functions of Chandrasekhar, and of their analogs for noncoherent isotropic scattering are given. In the non-coherent work, a Doppler profile is assumed. The results are presented both as tables and in a convenient graphical form, conducive to understanding the behavior of these complicated functions. Moments of the X- and Y-functions are also presented. The method of calculation is based on reduction to the solution of an initial value problem, as recently proposed by Bellman and his associates. A simple analytic approximation derived from this method is briefly discussed.

INTRODUCTION

The X- and Y-functions introduced by Chandrasekhar (ref. 1) for solving radiation transport problems in slabs have proved to have considerable utility. Several extensive tables of calculated values of these functions, and of their low-order moments, exist (see, e.g., refs. 2 and 3). In the above references the X- and Y-functions were calculated by means of coupled integral equations. Recently, in a new approach to such calculations, Bellman, Kagiwada, Kalaba, and Ueno (ref. 4) altered the problem to one of solving an initial-value problem for a pair of coupled integro-differential equations, for which the electronic computer is well suited. This is the method used in this paper.

Previous calculations of X- and Y-functions have been confined to coherent scattering, that is, no redistribution of frequency occurs in the scattering event. However, the method of Bellman et al. can also be applied to problems in which the scattering is noncoherent; that is, complete redistribution of frequency occurs in the scattering event. Extensions of the analysis leading from the transport equations to the X- and Y-functions have been made (refs. 5-8). In fact, calculations of the limiting values of the X-function for infinite slab thickness are reported in reference 7. The present work extends the results of reference 7 (in which Doppler broadening was used) to slabs of finite optical thickness. Some of the present results have appeared and have been applied to a particular physical problem in reference 8. The results given in this paper apply when the scattering is isotropic in direction. The methods are, however, applicable to other situations. The extension would require derivation of appropriate quadrature formulas.

In the application of Bellman's technique, an integral is approximated by use of a quadrature formula. It proves expedient to use a formula of Gauss type, but the integration points are generally inconvenient as tabulation points. A mathematical device introduced by Sobouti (ref. 2), in which Chandrasekhar's integral equations for X and Y are exploited, can be extended to serve as an interpolation method in both the coherent and non-coherent cases. Use of this device makes it possible to tabulate at arbitrarily chosen points, with little loss of accuracy.

The X - and Y -functions depend upon two arguments and a parameter, making it rather difficult to get much feeling for their over-all behavior from tables. A method of graphical representation is given here by which it is hoped that a clearer understanding of the behavior of these functions can be gained. This representation resulted from an attempt to proceed analytically with the approximate form of the integro-differential equations, and is a sort of "phase-plane" diagram. The approximation in which the integral is represented by a quadrature formula of least accuracy (one integration point) is developed briefly. It leads to results analogous to the Schuster-Schwarzschild solution for intensity (ref. 1, p. 55; ref. 9).

In this report, no attempt is made to relate the X - and Y -functions to quantities of physical interest, such as surface intensities or flux from a radiating slab. For coherent scattering, this is done for many problems of physical interest in reference 1. For noncoherent scattering, a systematic presentation of several specific problems, with boundary conditions of basic interest, is given in reference 8. Solutions to these problems are given in terms of the X - and Y -functions and their moments.

SYMBOLS

$E_n(t)$	exponential integral function, $\int_0^1 s^{n-2} e^{-ts^{-1}} ds$
$F(z)$	weight function, noncoherent scattering case (see eq. (18))
$f(u)$	$F\left(\frac{u}{1-u}\right)$
H_j	weight number in Gauss-type quadrature formula
$H(\mu)$	H -function of Chandrasekhar (see eq. (9a))
$h_n(u), \bar{h}_n(u)$	orthogonal polynomials, see appendix
N	number of integration points used in quadrature formula
u	$\frac{z}{1+z}$
u_j	integration point in Gauss-type quadrature formula

$X(z; \tau_o), Y(z; \tau_o)$	analogs of Chandrasekhar's X- and Y-functions, for non-coherent scattering
$X(\mu; \tau_o), Y(\mu; \tau_o)$	Chandrasekhar's X- and Y-functions for coherent scattering
$x_j(\tau_o), y_j(\tau_o)$	values of X- and Y-functions at $\mu = \mu_j$ or $z = z_j$
z	$\mu \frac{\varphi(0)}{\varphi(x)}$ where $\varphi(x)$ represents the Doppler profile expressed in terms of Doppler widths from line center; $\varphi(x) = \frac{e^{-x^2}}{\sqrt{\pi}}$
z_j	$\frac{u_j}{1 - u_j}$
$\alpha_n(\tau_o)$	nth moment of X, with respect to μ (or z) (see eqs. (14) or (27))
$\beta_n(\tau_o)$	nth moment of Y with respect to μ (or z) (see eqs. (14) or (27))
δ	$(1 - \omega)^{1/2}$
$\zeta^\pm(\mu; \tau_o)$	auxiliary functions (see eqs. (2) or (25))
$\zeta_1^-(\mu; \tau_o)$	auxiliary function (see eqs. (10) or (25))
μ	angle variable in slab geometry; cosine of angle (θ) between inward normal and direction of radiation
μ_j	integration point in Gauss quadrature formula
$\xi^\pm(\mu; \tau_o)$	auxiliary functions (see eqs. (2) or (25))
$\xi_1^-(\mu; \tau_o)$	auxiliary function (see eqs. (10) or (25))
τ_o	optical depth of medium
$\Psi(\mu)$	characteristic function of Chandrasekhar
ω	albedo of medium (fraction of incident radiation scattered)

METHOD OF CALCULATION

Coherent Scattering

The practical solution of many radiation transport problems involving reflection from or transmission through a plane layer of an absorbing and emitting medium can be made to depend upon the evaluation of two functions $X(\mu; \tau_o), Y(\mu; \tau_o)$, as well as their moments with respect to μ . Many examples

can be found in references 1 and 10 (the functions X, Y are sometimes designated φ, ψ in the Russian literature). The arguments of the functions are the direction cosine μ and the optical thickness τ_o of the medium; there is also parametric dependence on ω , the albedo for single scattering. The scattering is considered to be isotropic. In reference 1 it is shown that the X - and Y -functions satisfy the integral equations

$$X(\mu) = 1 + \frac{\omega\mu}{2} \int_0^1 \frac{X(\mu)X(\mu') - Y(\mu)Y(\mu')}{\mu + \mu'} d\mu', \quad (1a)$$

$$Y(\mu) = e^{-\tau_o/\mu} + \frac{\omega\mu}{2} \int_0^1 \frac{Y(\mu)X(\mu') - X(\mu)Y(\mu')}{\mu - \mu'} d\mu', \quad (1b)$$

In the notation used here, dependence upon τ_o is ignored. Also, the characteristic function $\Psi(\mu)$ of reference 1 has been given its value for isotropic scattering: $\Psi(\mu) = \omega/2$.

For later convenience, the functions $\xi^\pm(\mu)$, $\zeta^\pm(\mu)$ used in reference 2 can be defined as

$$\xi^\pm(\mu) = \frac{\omega\mu}{2} \int_0^1 \frac{X(\mu') d\mu'}{\mu \pm \mu'} \quad (2a)$$

$$\zeta^\pm(\mu) = \frac{\omega\mu}{2} \int_0^1 \frac{Y(\mu') d\mu'}{\mu \pm \mu'} \quad (2b)$$

(The Cauchy principal part is to be taken in these formulas when appropriate.) Equations (1) can then be written as

$$\begin{bmatrix} 1 - \xi^+(\mu) & \zeta^+(\mu) \\ \xi^-(\mu) & 1 - \zeta^-(\mu) \end{bmatrix} \cdot \begin{bmatrix} X(\mu) \\ Y(\mu) \end{bmatrix} = \begin{bmatrix} 1 \\ e^{-\tau_o/\mu} \end{bmatrix} \quad (3)$$

Equations (1), or variants thereof, have been used for previous calculations of X - and Y -functions.

Another set of equations is satisfied by the X - and Y -functions. They are given in reference 1 (p. 210), and form the basis of the method described in reference 4:

$$\frac{\partial X(\mu; \tau_o)}{\partial \tau_o} = \frac{\omega}{2} Y(\mu; \tau_o) \int_0^1 Y(\mu'; \tau_o) \frac{d\mu'}{\mu'} \quad (4a)$$

$$\frac{\partial Y(\mu; \tau_o)}{\partial \tau_o} = -\frac{Y(\mu; \tau_o)}{\mu} + \frac{\omega}{2} X(\mu; \tau_o) \int_0^1 Y(\mu'; \tau_o) \frac{d\mu'}{\mu'} \quad (4b)$$

Besides these integro-differential equations, there are the initial conditions

$$X(\mu; 0) = Y(\mu; 0) = 1 \quad (\mu > 0) \quad (5)$$

To implement the reduction of the above set of integro-differential equations to an initial-value problem, the integral appearing there is approximated by means of a quadrature formula. The Gauss-Legendre formula used in reference 4 will be used here. As in reference 4, introduce the notation

$$X(\mu_j; \tau_0) = x_j(\tau_0); \quad Y(\mu_j; \tau_0) = y_j(\tau_0) \quad (6)$$

where μ_j ($j = 1, \dots, N$) denote the nodal points on $(0, 1)$ corresponding to Gauss-Legendre quadrature. Then, if H_j ($j = 1, \dots, N$) denote the weight numbers,

$$\int_0^1 Y(\mu'; \tau_0) \frac{d\mu'}{\mu'} \doteq \sum_{j=1}^N H_j \frac{y_j(\tau_0)}{\mu_j}$$

Here, N denotes the order of the quadrature formula used (the formula is exact for polynomials of degree $< 2N$). With the use of this approximation, equations (4) became the set of $2N$ ordinary differential equations

$$\left. \begin{aligned} \frac{dx_i}{d\tau_0} &= \frac{\omega}{2} y_i \sum_{j=1}^N H_j \frac{y_j}{\mu_j} \\ \frac{dy_i}{d\tau_0} &= -\frac{y_i}{\mu_i} + \frac{\omega}{2} x_i \sum_{j=1}^N H_j \frac{y_j}{\mu_j} \end{aligned} \right\} \quad i = 1, \dots, N \quad (7a)$$

$$\left. \begin{aligned} \frac{dx_i}{d\tau_0} &= \frac{\omega}{2} y_i \sum_{j=1}^N H_j \frac{y_j}{\mu_j} \\ \frac{dy_i}{d\tau_0} &= -\frac{y_i}{\mu_i} + \frac{\omega}{2} x_i \sum_{j=1}^N H_j \frac{y_j}{\mu_j} \end{aligned} \right\} \quad i = 1, \dots, N \quad (7b)$$

with initial conditions

$$x_i(0) = y_i(0) = 1; \quad i = 1, \dots, N \quad (8)$$

Equations (7) are now to be integrated numerically, by a suitable technique, subject to the initial conditions (8). Since it is known that

$$\left. \begin{aligned} \lim_{\tau_0 \rightarrow \infty} x_j(\tau_0) &= H(\mu_j) \\ \lim_{\tau_0 \rightarrow \infty} y_j(\tau_0) &= 0 \end{aligned} \right\} \quad j = 1, \dots, N \quad (9a)$$

$$\left. \begin{aligned} \lim_{\tau_0 \rightarrow \infty} x_j(\tau_0) &= H(\mu_j) \\ \lim_{\tau_0 \rightarrow \infty} y_j(\tau_0) &= 0 \end{aligned} \right\} \quad j = 1, \dots, N \quad (9b)$$

the integration need proceed only until each y_j is as close to zero as desired. The function $H(\mu)$ is of interest in problems concerned with a semi-infinite medium, and is fully treated in reference 1. The integration

proceeds smoothly, and results are obtained without difficulty. Questions of nonuniqueness (see refs. 1,3) that arise when integral equations (1) are used are not troublesome here.

One disadvantage of the method is that results are obtained only at the discrete set of points μ_j . For example, in reference 4, $N = 7$ was used with resulting μ_j given by the seven roots of the equation

$$P_7(2\mu - 1) = 0$$

($P_n(x)$ is the Legendre polynomial of degree n .) These results are not immediately comparable with tabulations at regularly spaced μ (such as those in ref. 2 or 3), and it was found that straightforward polynomial interpolation was inadequate for filling in the desired values of $X(\mu; \tau_0)$ and $Y(\mu; \tau_0)$. To circumvent this inconvenience, the device used in reference 2 for calculation when $\mu > 1^1$ was adapted to the present case. This device involves the use of the functions $\xi^{\pm}(\mu; \tau_0)$, $\zeta^{\pm}(\mu; \tau_0)$ defined in equations (2). The functions ξ^{\pm} , ζ^{\pm} are calculated by means of the same quadrature formula used in the conversion of the integro-differential equations (4) to the differential equations (7); that is

$$\xi^+(\mu) \doteq \frac{\omega\mu}{2} \sum_{j=1}^N H_j \frac{x_j(\tau_0)}{\mu + \mu_j} \quad (10a)$$

$$\zeta^+(\mu) \doteq \frac{\omega\mu}{2} \sum_{j=1}^N H_j \frac{y_j(\tau_0)}{\mu + \mu_j} \quad (10b)$$

Only known values of the X - and Y -functions, obtained by solving the differential equations (7), are used in calculating ξ^+ and ζ^+ .

The situation is somewhat different with the functions ξ^- , ζ^- , for they are defined as Cauchy principal value integrals according to equations (2). We could calculate the quantities

$$\xi_1^- = \frac{\omega\mu}{2} \sum_{j=1}^N H_j \frac{x_j(\tau_0)}{\mu - \mu_j} \quad (10c)$$

¹The extension of the definition of the X - and Y -functions to values of $\mu > 1$ is discussed in reference 11. The situation is somewhat analogous to that which will be found in the noncoherent case, where the direction cosine μ is multiplied by a function of frequency, and this product becomes an argument of the X - and Y -functions. In the present case, the designation of the variable is not changed, in conformity with reference 2.

$$\xi_1^- = \frac{\omega\mu}{2} \sum_{j=1}^N H_j \frac{y_j(\tau_0)}{\mu - \mu_j} \quad (10d)$$

as though the singularity did not exist (provided that no μ_j coincides with a value of μ desired for tabulation). However, the Gauss-type quadrature is not well adapted to treating the singularity involved here, for the value of the integral is defined by symmetrical approach to the singular point. The desired quantities can be calculated by the device of addition and subtraction in the integrand; for example,

$$\xi^-(\mu; \tau_0) = \frac{\omega\mu}{2} \int_0^1 \frac{X(\mu') - X(\mu)}{\mu - \mu'} d\mu' + \frac{\omega\mu}{2} X(\mu) \ln \left| \frac{\mu}{1 - \mu} \right|$$

Although using this formula seemingly defeats the purpose of this calculation, since it contains the desired quantity $X(\mu; \tau_0)$, the situation is not as bad as it appears. By use of the quadrature approximation the above equation can be written

$$\xi^-(\mu; \tau_0) \doteq \xi_1^-(\mu; \tau_0) - \frac{\omega\mu}{2} X(\mu) \left(\sum_{j=1}^N \frac{H_j}{\mu - \mu_j} - \ln \left| \frac{\mu}{1 - \mu} \right| \right)$$

with a similar expression, Y replacing X and ξ_1^- replacing ξ_1^+ , for $\xi^-(\mu; \tau_0)$. If these expressions are substituted in the second of equations (3), the terms involving the product $X \cdot Y$ cancel. The linear equations (3) can then be written, in the present approximation

$$\begin{bmatrix} 1 - \xi^+ & \xi^+ \\ \xi_1^- & 1 - \xi_1^- \end{bmatrix} \begin{bmatrix} X(\mu; \tau_0) \\ Y(\mu; \tau_0) \end{bmatrix} = \begin{bmatrix} 1 \\ e^{-\tau_0/\mu} \end{bmatrix} \quad (10e)$$

where the coefficient matrix involves only the known set of quantities $x_j(\tau_0)$, $y_j(\tau_0)$.

It should be noted that the determinant of the coefficient matrix in equations (3) can be evaluated simply by means of an identity given by Sobouti (refs. 11,2). Denoting this determinant by D , we have

$$D = (1 - \xi^+)(1 - \xi^-) - \xi^+ \xi^- = 1 + \frac{\omega\mu}{2} \ln \left| \frac{1 - \mu}{1 + \mu} \right| \quad (11)$$

In the approximation used, the coefficient determinant of equations (10e) is, with

$$L = \frac{\omega\mu}{2} \left(\sum_{j=1}^N \frac{H_j}{\mu - \mu_j} - \ln \left| \frac{\mu}{1 - \mu} \right| \right)$$

$$\begin{aligned} D_1 &= (1 - \xi^+)[1 - \xi^- - LX(\mu)] - \xi^+[\xi^- + LY(\mu)] \\ &= D - L[(1 - \xi^+)X(\mu) + \xi^+Y(\mu)] = D - L \\ &= D - \frac{\omega\mu}{2} \left(\sum_{j=1}^N \frac{H_j}{\mu - \mu_j} - \ln \left| \frac{\mu}{1 - \mu} \right| \right) \end{aligned}$$

where the first of equations (3) was used. Hence, by use of equation (11)

$$D_1 = 1 - \frac{\omega\mu}{2} \left[\sum_{j=1}^N \frac{H_j}{\mu - \mu_j} - \ln \left(\frac{\mu}{1 + \mu} \right) \right] \quad (12)$$

This formula can be used as a check on the calculations, by matching the values of D_1 computed by means of the formula

$$D_1 = (1 - \xi^+)(1 - \xi_1^-) - \xi^+ \xi_1^- \quad (13)$$

with those found from equation (12). Since the latter result does not depend upon τ_0 , progressive differences should mean that the integration process is leading to error. Such indications were not found, the agreement (in spot checks) being about the same for large values of τ_0 as for small. When $\mu \gg 1$, the agreement was good, although the number of significant figures was sometimes decreased because of the smallness of D_1 .

Equations (10e) can be solved, at each required τ_0 , for the desired quantities $X(\mu; \tau_0)$, $Y(\mu; \tau_0)$, spacing the values of μ as required. For values of $\mu > 1$, the extended definitions of the X- and Y-functions given in reference 2, and, originally, in references 11 and 12 are adopted here. There is now no singularity to be considered in the functions ξ^- , ξ^+ , but the quantities in equations (10e), ξ_1^- , ξ_1^+ , represent the quadrature approximation to ξ^- , ξ^+ themselves.

Use of the above interpolatory device leads to fair agreement with the tabulations in references 2 and 3 when the 7-point quadrature formula is used, as recommended in reference 4. However, the agreement is considerably better if the 9-point formula is used. This is because the interpolation has apparently introduced additional error, and the more accurate 9-point quadrature is necessary to achieve good final interpolated results. Results of calculations will be presented later.

The moments of the X- and Y-functions with respect to μ are of considerable interest. These are defined as

$$\alpha_n(\tau_o) = \int_0^1 \mu^n X(\mu; \tau_o) d\mu \quad (14a)$$

$$\beta_n(\tau_o) = \int_0^1 \mu^n Y(\mu; \tau_o) d\mu \quad (14b)$$

Such integrals are readily approximated by the Gauss quadrature formula, resulting in

$$\alpha_n(\tau_o) \doteq \sum_{j=1}^N H_j \mu_j^n x_j(\tau_o) \quad (15a)$$

$$\beta_n(\tau_o) \doteq \sum_{j=1}^N H_j \mu_j^n y_j(\tau_o) \quad (15b)$$

Some of these moments are listed in reference 2, and again the results agree well with those from the present method.

Noncoherent Scattering

A physically realistic theory of spectral line formation by scattering should account for a redistribution of frequency when a photon is scattered. Perhaps the simplest assumption is the extreme case of complete redistribution, in which it is assumed that the frequencies, in the line, of the absorbed and scattered photons are completely uncorrelated. The effect of this redistribution is, generally, the broadening of a spectral line. The law of broadening, or profile, depends upon the physical mechanisms involved. The particular case treated here is the Doppler profile, associated with the line broadening due to kinetic motion of the radiating atoms. Details of the theory and analysis for such noncoherent scattering can be found in, for example, references 5, 6, and 8.

It turns out that functions analogous to the X- and Y-functions of Chandrasekhar, discussed above, can be developed for noncoherent scattering (see refs. 6 and 8). The defining equations are quite similar, and similar methods may be used to compute the new functions. These will also be termed X- and Y-functions, since their physical meanings are the same as in the coherent scattering case and confusion is unlikely. The equations analogous to equations (1) and (2) are (see ref. 8)

$$X(z; \tau_o) = 1 + \frac{\omega_z}{2} \int_0^\infty \frac{X(z)X(z') - Y(z)Y(z')}{z + z'} F(z') dz' \quad (16a)$$



$$Y(z; \tau_0) = e^{-\tau_0/z} + \frac{\omega z}{2} \int_0^\infty \frac{Y(z)X(z') - X(z)Y(z')}{z - z'} F(z') dz' \quad (16b)$$

$$\xi^\pm(z; \tau_0) = \frac{\omega z}{2} \int_0^\infty \frac{X(z'; \tau_0)}{z \pm z'} F(z') dz' \quad (17a)$$

$$\zeta^\pm(z; \tau_0) = \frac{\omega z}{2} \int_0^\infty \frac{Y(z'; \tau_0)}{z \pm z'} F(z') dz' \quad (17b)$$

where z is a new variable, replacing the direction parameter μ

$$z = \mu e^{x^2}$$

and x is a dimensionless frequency parameter (see ref. 8). The new weight function $F(z)$ is given by

$$F(z) = \frac{1}{\sqrt{2}} \begin{cases} 1 & 0 \leq z \leq 1 \\ \text{erfc}(\sqrt{2 \ln z}) & z > 1 \end{cases} \quad (18)$$

where

$$\text{erfc}(t) = \frac{2}{\sqrt{\pi}} \int_t^\infty e^{-y^2} dy$$

The integro-differential equations in this noncoherent case are

$$\frac{\partial X(z; \tau_0)}{\partial \tau_0} = \frac{\omega}{2} Y(z; \tau_0) \beta_{-1}(\tau_0) \quad (19a)$$

$$\frac{\partial Y(z; \tau_0)}{\partial \tau_0} = -\frac{Y(z; \tau_0)}{z} + \frac{\omega}{2} X(z; \tau_0) \beta_{-1}(\tau_0) \quad (19b)$$

where

$$\beta_{-1}(\tau_0) = \int_0^\infty Y(z; \tau_0) \frac{F(z)}{z} dz \quad (19c)$$

The initial values are again

$$X(z; 0) = Y(z; 0) = 1 \quad (z > 0) \quad (19d)$$

There is thus considerable formal similarity between coherent and non-coherent scattering. The important difference lies in the integral in equation (19c). The interval of integration is now infinite, and, in addition, a weight function appears. Straightforward extension of the Gauss quadrature to the weight function $F(z)$ is not feasible because it requires the existence of the moments

$$\int_0^\infty z^n F(z) dz = \frac{1}{n+1} \left(\frac{2}{\pi}\right)^{1/2} \int_0^\infty e^{-\frac{n-1}{2}t^2} dt$$

and these do not exist unless $n < 1$. Thus, make the transformation of independent variables

$$z = \frac{u}{1-u}$$

This amounts to expressing the integrand in a polynomial in $u = (z/z + 1)$. Such an expansion appears suited to the functions whose values are sought.

To formulate the problem in terms of the new variable, write

$$Y(z; \tau_0) = Y\left(\frac{u}{1-u}; \tau_0\right) = y(u; \tau_0)$$

$$X(z; \tau_0) = x(u; \tau_0)$$

$$F(z) = f(u)$$

Then equations (19a-c) become

$$\frac{\partial x}{\partial \tau_0} = \frac{\omega}{2} y(u; \tau_0) \beta_{-1}(\tau_0) \quad (20a)$$

$$\frac{\partial y}{\partial \tau_0} = -\frac{1-u}{u} y(u; \tau_0) + \frac{\omega}{2} x(u; \tau_0) \beta_{-1}(\tau_0) \quad (20b)$$

where

$$\beta_{-1}(\tau_0) = \int_0^1 y(u; \tau_0) \frac{1-u}{u} \frac{f(u)}{(1-u)^2} du \quad (21)$$

The quadrature formula developed in the appendix can now be applied to β_{-1} :

$$\beta_{-1}(\tau_0) \approx \sum_{j=1}^N H_j \frac{1-u_j}{u_j} y_j(\tau_0) \quad (22)$$

where the u_j and H_j are, respectively, the nodes and weight numbers appropriate to the weighting function

$$\frac{f(u)}{(1-u)^2}$$

on the interval $(0,1)$. The singularity at $u = 1$ is apparent only. The notation $X(z_j; \tau_0) = x(u_j; \tau_0) = x_j(\tau_0)$; $Y(z_j; \tau_0) = y(u_j; \tau_0) = y_j(\tau_0)$ has been used.

The new initial-value problem can now be written

$$\left. \begin{aligned} \frac{dx_i}{d\tau_0} &= \frac{\omega}{2} y_i \sum_{j=1}^N H_j \frac{1-u_j}{u_j} y_j(\tau_0) \\ \frac{dy_i}{d\tau_0} &= -\frac{1-u_i}{u_i} y_i + \frac{\omega}{2} x_i \sum_{j=1}^N H_j \frac{1-u_j}{u_j} y_j(\tau_0) \end{aligned} \right\} \quad \begin{aligned} i &= 1, \dots, N \\ (23a) \quad (23b) \end{aligned}$$

with the $2N$ initial conditions

$$x_i(0) = y_i(0) = 1; \quad i = 1, \dots, N \quad (24)$$

At desired values of z , $X(z; \tau_0)$ and $Y(z; \tau_0)$ can be found by the same interpolatory device as before. Thus, with

$$\xi^+(z; \tau_0) = \frac{\omega z}{2} \int_0^1 \frac{x(u; \tau_0)}{z + \frac{u}{1-u}} \frac{f(u)}{(1-u)^2} du \doteq \frac{\omega z}{2} \sum_{j=1}^N H_j \frac{x_j(\tau_0)}{z + \frac{u_j}{1-u_j}} \quad (25a)$$

$$\xi^-(z; \tau_0) = \frac{\omega z}{2} \int_0^1 \frac{y(u; \tau_0)}{z + \frac{u}{1-u}} \frac{f(u)}{(1-u)^2} du \doteq \frac{\omega z}{2} \sum_{j=1}^N H_j \frac{y_j(\tau_0)}{z - \frac{u_j}{1-u_j}} \quad (25b)$$

$$\xi_1^-(\tau_0) = \frac{\omega z}{2} \sum_{j=1}^N H_j \frac{x_j(\tau_0)}{z - \frac{u_j}{1-u_j}} \quad (25c)$$

$$\xi_1^+(\tau_0) = \frac{\omega z}{2} \sum_{j=1}^N H_j \frac{y_j(\tau_0)}{z + \frac{u_j}{1-u_j}} \quad (25d)$$

equations (10e) (with z replacing μ) can be solved for the required values of X and Y at each τ_0 . The arguments leading to use of the approximate values ξ_1^+ , ξ_1^- of the Cauchy integrals ξ^+ , ξ^- applied in the coherent scattering case above apply to noncoherent scattering.

A relation similar to that in equation (11) can be derived for non-coherent scattering. It is

$$D = (1 - \xi^+)(1 - \xi^-) - \xi^+ \xi^- = 1 - \frac{\omega z}{2} G(z) \quad (26a)$$

where

$$G(z) = \sqrt{\frac{2}{\pi}} \int_0^\infty e^{-t^2} \ln \left| \frac{z + e^{\frac{1}{2}t^2}}{z - e^{\frac{1}{2}t^2}} \right| dt \quad (26a)$$

An analysis similar to that for equation (12) can be performed for the present situation also, leading to the expression

$$\begin{aligned} D_1 &= (1 - \xi^+)(1 - \xi_1^-) - \xi^+ \xi_1^- \\ &= 1 - \frac{\omega z}{2} \left[\sum_{j=1}^N \frac{H_j}{z - z_j} + \frac{1}{\sqrt{2}} \left(\frac{1}{4} - \ln z \right) + K(z) \right] \end{aligned} \quad (26b)$$

where

$$K(z) = \sqrt{\frac{2}{\pi}} \int_0^\infty e^{-t^2} \ln \left(1 + z e^{-\frac{1}{2}t^2} \right) dt$$

The above relation can be used, as was its analog for coherent scattering, to check the progress of the numerical solution of the differential equations. This is possible because the right-hand side of equation (26b) does not depend upon the running variable τ_0 .

The moments of the X - and Y -functions with respect to z are again of interest for noncoherent scattering. For applications, see reference 8. The moments are defined somewhat differently from those in the coherent case, because of convergence difficulties owing to the slow decay of the weighting function $F(z)$ (eq. (18)). Thus,

$$\alpha_0(\tau_0) = \int_0^\infty x(z; \tau_0) F(z) dz \doteq \sum_{j=1}^N H_j x_j(\tau_0) \quad (27a)$$

$$\beta_0(\tau_0) = \int_0^\infty y(z; \tau_0) F(z) dz \doteq \sum_{j=1}^N H_j y_j(\tau_0) \quad (27b)$$

are at least formally the same as before. The first-order moments are defined as (see ref. 8)

$$\alpha_1(\tau_0) = \int_0^\infty [x(z; \tau_0) - x(\infty; \tau_0)] z F(z) dz \quad (27c)$$

$$\beta_1(\tau_0) = \int_0^\infty [y(z; \tau_0) - y(\infty; \tau_0)] z F(z) dz \quad (27d)$$

where (from ref. 6 or 8),

$$x(\infty; \tau_0) = y(\infty; \tau_0) = \left\{ 1 - \frac{\omega}{2} [\alpha_0(\tau_0) - \beta_0(\tau_0)] \right\}^{-1} \quad (28)$$

Thus, $x(\infty; \tau_0)$ is known when the zero-order moments of equations (26) have been found. Then, using the quadrature formula,

$$\alpha_1(\tau_0) \doteq \sum_{j=1}^N H_j z_j [x_j(\tau_0) - x(\infty; \tau_0)] \quad (29a)$$

$$\beta_1(\tau_0) \doteq \sum_{j=1}^N H_j z_j [y_j(\tau_0) - x(\infty; \tau_0)] \quad (29b)$$

where

$$z_j = \frac{u_j}{1 - u_j}$$

A brief account of the development of the Gauss quadrature formula appropriate to the weighting function $F(z)$, or more exactly, $f(u)(1 - u)^{-2}$, is in appendix A.

NUMERICAL RESULTS

Coherent Scattering

The approximate differential equations (7) were treated first in order to gain experience with the method of reference 4. In the attempt to check the results with the regularly tabulated values of references 2 and 3 (the raw results checked well with those of ref. 4), the interpolation method was developed in which the auxiliary functions ξ^{\pm} , ζ^{\pm} were used. According to the recommendation of reference 4, a 7-point quadrature formula was adequate. However, the interpolation process introduces new sources of error, and it was found necessary to use the 9-point formula to get 4-5 place agreement with the tables in references 2 and 3. In all cases, the differential equations were integrated with a variable mode Adams-Moulton method. No difficulties were encountered in this phase of the work. The variable mode operation led to values of τ_o which were not always at the even tenths or hundredths required for tabulation, but cubic interpolation was adequate for determining the function values at the required values of τ_o .

In view of the existing tabulations (refs. 2,3), there is clearly no need for further listing of the X- and Y-functions for isotropic coherent scattering when the usual range of the variable μ is considered. Also, the ease of generation of these functions from the differential equations (7) make it feasible in many cases to include such a subroutine in a machine calculation in which X- and Y-functions are needed. However, because of the complicated nature of these functions, depending as they do upon two variables μ , τ_o as well as upon the parameter ω , it is useful to examine certain graphical representations of them. These graphs consist of plots of Y vs. X with graduated values of τ_o and of μ . Figures 1 to 15 show these plots for increasing values of the albedo ω .

The solid curves in these figures represent Y vs. X for $\mu = 0.1(.1)1.0$. The optical thickness τ_o may be considered a sort of arc length along these paths, starting with $\tau_o = 0$ at the common point (1,1) in the plane and increasing to $\tau_o = \infty$ when the curves meet the X axis. The dashed lines crossing these curves are lines of constant τ_o . One such set of curves appears for each chosen value of the albedo ω . The points at which the solid curves meet the X axis are therefore the values, as functions of μ , of the H-function, $H(\mu)$, because (ref. 1, p. 183)

$$\lim_{\tau_o \rightarrow \infty} X(\mu; \tau_o) = H(\mu)$$

$$\lim_{\tau_o \rightarrow \infty} Y(\mu; \tau_o) = 0$$

These curves reproduce, with the diminished accuracy possible on a graph, most of the results of the tabulation (ref. 3). They should be useful in ascertaining such things as regions in which thin-layer or thick-layer approximations can be expected to hold, where asymptotic expansions are valid, etc.

The data of the set of figures 1 to 15 are repeated (in smaller scale) on figures 16 to 29, where the variable μ is allowed to increase beyond $\mu = 1$. The X- and Y-functions so extended have been used by Chamberlain and Sobouti (refs. 11,12) and tabulated briefly in reference 2. They are shown here not only to extend the results given by Sobouti in reference 2, but also to bring out analogies between the X- and Y-functions for coherent and for noncoherent scattering. For example, just as in the latter case, it follows for coherent scattering that

$$X(\infty; \tau_0) = Y(\infty; \tau_0) = \left\{ 1 - \frac{\omega}{2} [\alpha_0(\tau_0) - \beta_0(\tau_0)] \right\}^{-1}$$

For, from (2)

$$\lim_{\mu \rightarrow \infty} \xi^\pm(\mu; \tau_0) = \frac{\omega}{2} \alpha_0(\tau_0) ; \quad \lim_{\mu \rightarrow \infty} \xi^\pm(\mu; \tau_0) = \frac{\omega}{2} \beta_0(\tau_0)$$

and, by solution of equations (3), the above relation is obtained. Thus, the limiting curve in the X - Y plane as $\mu \rightarrow \infty$ is the straight line $X = Y$. As τ_0 increases from 0 to ∞ , the equality of X and Y must eventually fail. This comes about through a nonuniformity in the double limit owing to the term $e^{-\tau_0/\mu}$. In any case, as $\tau_0 \rightarrow \infty$, $\lim_{\tau_0 \rightarrow \infty} X(\infty; \tau_0)$ can be found from the above relation for $X(\infty; \tau_0)$ by noting that

$$\lim_{\tau_0 \rightarrow \infty} \alpha_0(\tau_0) = \int_0^1 H(\mu) d\mu$$

$$\lim_{\tau_0 \rightarrow \infty} \beta_0(\tau_0) = 0$$

and, hence, the ultimate value attained by $X(\infty; \tau_0)$ as $\tau_0 \rightarrow \infty$ is

$$X = (1 - \omega)^{-1/2}$$

since, from reference 1, page 106

$$\int_0^1 H(\mu) d\mu = \frac{2}{\omega} (1 - \sqrt{1 - \omega})$$

All other curves, for $\mu < \infty$, then fall within the trapezoid defined by

$$X = 1$$

$$X = Y$$

$$X = (1 - \omega)^{-1/2}$$

$$Y = 0$$

In the conservative case ($\omega = 1$), the trapezoid does not close on the right.

The curves shown for $\mu > 1$ do not always extend to the X axis because the integration process was stopped when $y_N(\tau_0)$ reached a sufficiently small value, generally $y_N < 10^{-3}$. At such a point, the $x_j(\tau_0)$ ($j = 1, \dots, N$) had sensibly attained their maximum values, which coincide with corresponding values of the H -function, $H(\mu_j)$ ($j = 1, \dots, N$). However, the rapidity of approach of $X(\mu; \tau_0)$ to $H(\mu)$ as $\tau_0 \rightarrow \infty$ depends upon the value of μ (and also upon the albedo ω), being slower for larger μ (and for ω nearer unity). The ultimate value of $X(\mu; \tau_0)$ as $\tau_0 \rightarrow \infty$ can be calculated by taking the appropriate limit in equations (1):

$$\begin{aligned} \frac{1}{H(\mu)} &= 1 - \frac{\omega\mu}{2} \int_0^1 \frac{H(\mu') d\mu'}{\mu + \mu'} \\ &\doteq 1 - \frac{\omega\mu}{2} \sum_{j=1}^N H_j \frac{H(\mu_j)}{\mu + \mu_j} \\ &\doteq 1 - \frac{\omega}{2} \sum_{j=1}^N H_j \frac{x_j(\infty)}{1 + (\mu_j/\mu)} \end{aligned}$$

In the last expression, $x_j(\infty)$ is taken to be the value of $x_j(\tau_0)$ at the largest value of τ_0 reached in the integration process. Values calculated by the above formula are shown as ticks on the X axis in figures 16 to 28 (where the solid curves do not reach the X axis) to help in discerning the asymptotic behavior of the curves for large values of μ . Further it can be shown by use of asymptotic relations for the X - and Y -functions that the $\mu = \text{const.}$ curves meet the X axis orthogonally when $\omega < 1$, but at angle $\pi/4$ radians in the conservative case when $\omega = 1$.

The calculations for $\mu > 1$ can be checked with the tabulation in reference 2 for $\mu \leq 20$. The agreement is satisfactory. Since extending the definitions of the X - and Y -functions to values of $\mu > 1$ involves only their calculated values in $0 < \mu < 1$, there is no reason to suppose that the accuracy at the higher values of μ is less than that found in the range $0 < \mu < 1$.

The lines of constant τ_0 (dashed) on the curves can be shown to have zero slope as $\mu \rightarrow 0$. They all begin at the point $(1, 0)$ and end, as $\mu \rightarrow \infty$, on the line $X = Y$.

The moments $\alpha_n(\tau_0)$, $\beta_n(\tau_0)$ (eqs. (14)) are shown in figures 30 to 33 for $n = 0, 1, 2, 3$. They are plotted in a manner somewhat similar to the X-Y plots, except that here the albedo ω varies from curve to curve since the variable μ no longer enters. For $n = 0$ (fig. 30), there is a simple relation between the moments (ref. 1, p. 187, with $\Psi(\mu) = \omega/2$)

$$\frac{\omega}{2} \alpha_0 = 1 - \left[1 - \omega + \left(\frac{\omega}{2} \beta_0 \right)^2 \right]^{1/2}$$

The curves of β_0 vs. α_0 are therefore arcs of hyperbolas. If $\omega = 1$, the hyperbola degenerates to the line

$$\alpha_0 + \beta_0 = 2$$

The moments are shown through $n = 3$ because α_3, β_3 appear in solutions for certain radiation problems in both planar and spherical geometries (see ref. 13). The special values for $\omega \rightarrow 0$ are easily found to be

$$\left. \begin{aligned} \alpha_n(\tau_0) &= \frac{1}{n+1} \\ \beta_n(\tau_0) &= E_{n+2}(\tau_0) \end{aligned} \right\} \omega = 0$$

where $E_n(z)$ is the familiar exponential integral function defined by

$$E_n(z) = \int_0^1 t^{n-2} e^{-zt^{-1}} dt$$

The lines of constant τ_0 also appear on these moment curves, figures 30 to 33. Agreement of the numerical results with the tables in reference 2 is satisfactory; no plottable differences in values for the α_n, β_n with $n = 0, 1, 2$ were found. The case $n = 3$ is not presented in reference 2, but a short table appears in reference 14 with which satisfactory agreement was found.

Noncoherent Scattering

In the case of noncoherent scattering (with Doppler broadening) the only existing calculations of X- and Y-functions known to the authors are those of $X(z; \infty) = H(z)$ given by Ivanov and Nagirner in reference 7. These form a valuable check on the limiting values of X as $\tau_0 \rightarrow \infty$ in the integration of equations (23). It was found difficult to achieve good accuracy in this check for values of $\omega > 0.9$, especially for the larger values of z . For this reason, table I shows values of $X(z; \tau_0)$, $Y(z; \tau_0)$ for selected values of z and τ_0 only when $\omega \leq 0.9$. Also shown is the value

$$X(\infty; \tau_0) = Y(\infty; \tau_0) = \left[1 - \frac{\omega}{2} (\alpha_0 - \beta_0) \right]^{-1}$$

which is useful in many calculations.

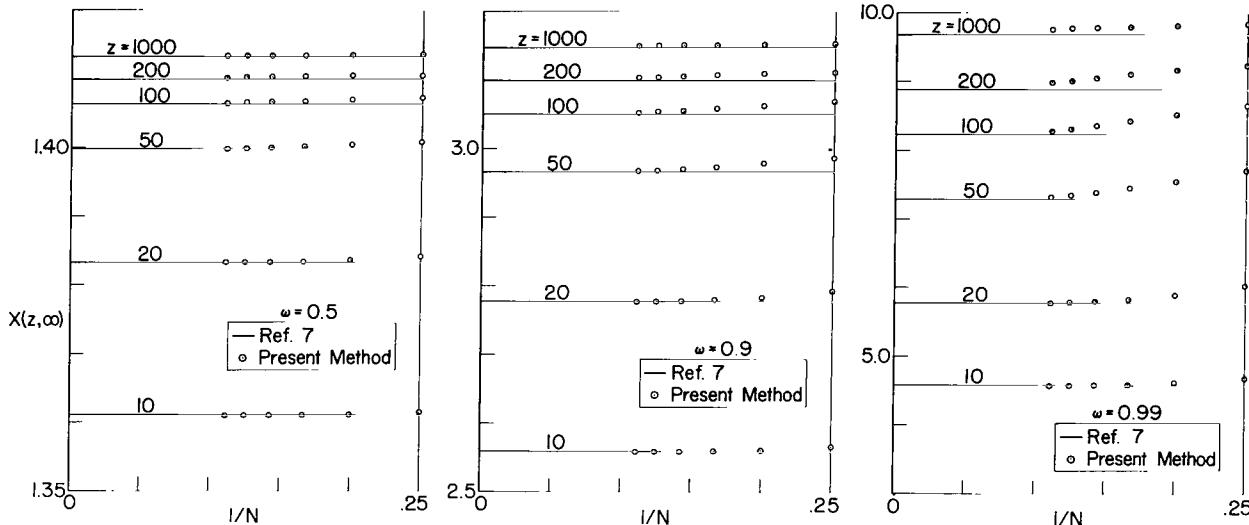
Some difficulty was encountered in extending the order of quadrature formula beyond $N = 9$. The difficulty is the usual one of loss of significant figures encountered in developing such formulas, and will require a considerable computational effort to surmount. Thus, results were obtained for $N = 9$. The largest effective value of z , $z = z_N$, is then $z_9 \approx 48$ (complete tables of integration points and weights will be found in the appendix). Hence, extrapolation to $z = 10^4$, by means of function values for $z \leq 48$, is stretching the method rather far. It is surprising that the results are adequate for $\omega \leq 0.9$. Results for $\omega > 0.9$ would presumably be somewhat better if quadrature formulas for higher values of N were available. However, much interest in the case of noncoherent scattering lies in the values of ω differing from unity by 10^{-4} to 10^{-10} , so that quadrature formulas of quite high order will probably be necessary for complete solution with all desired values of the variables. On the other hand, asymptotic results are known and are used with good results in reference 8.

Table II gives results for X- and Y-functions as they appear from integration of the approximate differential equations (23). That is, the values of x_j , y_j ($j = 1, \dots, 9$), at interpolated values of τ_0 are listed. They are given in case the reader desires to perform integrations involving these functions. Also given are the corresponding integration points, in terms of both u and z , and the weight members H_j . In addition, the moment functions α_n , β_n for $n = 0, 1$ are listed, as is the moment $\beta_{-1}(\tau_0)$, which occurs in the differential equations (23).

Graphical representations of the X- and Y-functions appear in figures 34 to 45. The scheme is the same as used in the coherent-scattering case, and the bounding trapezoids are also identical to those of the corresponding (same ω) earlier cases. In fact, the solid curves (Y vs. X for constant z) are much the same in appearance as the earlier (coherent) ones; the main difference is in the lines of constant τ_0 (dashed lines). These are quite different in that similar numerical values of X and Y occur at greater values of τ_0 in the noncoherent than in the coherent case. In addition to the values of z listed at the top of each figure, there are 5 additional lines of constant z in figures 43, 44, 45 ($\omega = 0.95, 0.99, 0.995$). These are for $z = 30, 200, 2,000, 5,000, 10,000$, reading from left to right, and are shown with long dashes.

The integration procedure must run much longer in the noncoherent problem than in the coherent one, although the process is still halted when $y_N(\tau_0) < \epsilon$, ϵ being generally 10^{-3} . However, since values of $z \gg z_N$ are represented, it may be that the value of τ_0 sufficient to make $y_N < \epsilon$ is not yet great enough to make $Y(z; \tau_0) < \epsilon$, $z \gg z_N$. In such cases, the X-Y curve is not completed, but the ultimate point, $X(z; \infty) = H(z)$, is shown as a tick on the X axis. These values agreed well with those of reference 7 when $\omega \leq 0.9$. For larger values of ω , plottable differences from the results of reference 7 were found. In these cases (figs. 44 and 45), the curves have been adjusted to come to the values given in reference 7 on the X axis. This alteration is only necessary for the higher values of z , say $z \geq 50$. The reason for lack of confidence in the present calculations in this region is that runs with $N = 4$ to $N = 9$ showed continuing changes in the values of

X and Y. Hence, we must conclude that the 9-point formula is not sufficiently accurate when $\omega > 0.9$. The accompanying sketch illustrates this matter. Here, the value of $X(z; \infty)$ is plotted against N^{-1} , N being, as usual, the order of the quadrature formula used. The value at $N^{-1} = 0$ is taken from the tables of reference 7. The worsening convergence to the correct value is seen as ω is changed from 0.9 to 0.99.



Sketch (a).- Convergence of quadrature method for increasing order of accuracy.

The lessened accuracy of the noncoherent results as $\omega \rightarrow 1$ must be ascribed to inadequacy of the quadrature formula, since spot checks with equation (26b) indicated that the numerical solution of the differential equations was uniformly adequate.

Some of the present results were used in reference 8, which gives examples showing some applications of the X- and Y-functions to physical problems, as well as agreement with calculative methods that used entirely different approaches.

Figures 46 to 49 give a different picture of the variation of the X- and Y-functions. Here, they are plotted against the logarithm of τ_0 , with variable z as parameter (μ for the coherent functions, shown dashed). It is possible to compare the behavior of coherent and noncoherent functions for a large range of values of albedo ω . The quicker approach of the coherent values to the results for the optically thick layer can be seen, particularly when $\omega \rightarrow 1$. Also, for the smaller values of ω , the rather close approach of the two sets of Y-functions, especially at larger τ_0 , is interesting.

The moments α_0 , β_0 were plotted in figure 50 in the same manner as their counterparts in the coherent scattering case. The solid curves, one for each value of ω chosen, are exactly as before, since the same identity holds, that is,

$$\frac{\omega}{2} \alpha_0 = 1 - \left[(1 - \omega) + \left(\frac{\omega}{2} \beta_0 \right)^2 \right]^{1/2}$$

The difference between figure 50 and its coherent counterpart (fig. 30) lies in the τ_0 lines. That is, the moments $\alpha_0(\tau_0)$, $\beta_0(\tau_0)$ differ much as the functions X , Y between the two cases. Thus, a particular pair of values (α_0, β_0) (for a given ω) in the coherent case is attained at a smaller value of τ_0 than in the noncoherent case. This is particularly noticeable at the larger values of τ_0 .

The limiting values as $\omega \rightarrow 0$ of the zero-order moments, which were

$$\alpha_0(\tau_0) = 1$$

$$\beta_0(\tau_0) = E_2(\tau_0)$$

in the coherent case, are now

$$\alpha_0(\tau_0) = 1$$

$$\beta_0(\tau_0) = K_2(\tau_0)$$

for noncoherent scattering. The function $K_2(\tau_0)$ is the counterpart, for Doppler broadening, of the exponential integral function

$$E_2(\tau_0) = \int_0^1 e^{-\tau_0 z^{-1}} dz$$

It is given by

$$K_2(\tau_0) = \int_0^\infty e^{-\tau_0 z^{-1}} F(z) dz$$

where $F(z)$ is the function defined in equation (18) (see ref. 8).

The first moments, $\alpha_1(\tau_0)$ and $\beta_1(\tau_0)$, do not partake of any similarity with their coherent counterparts. As defined by equations (27c,d), they are negative. Also (as shown in ref. 8), $|\beta_1|$ increases without bound with increasing τ_0 . Hence, the same type of plot (β_1 vs. α_1) is not so useful in the present case. Figure 51 shows $-\beta_1$ plotted against $-\alpha_1$, the solid lines again drawn for constant ω , and the dashed lines for constant τ_0 . In this case (see ref. 8)

$$\alpha_1(\tau_0) \rightarrow 0$$

$$\beta_1(\tau_0) \rightarrow K_3(\tau_0)$$

as $\omega \rightarrow 0$. Here,

$$K_3(\tau_0) = \int_0^\infty \left(e^{-\tau_0 z^{-1}} - 1 \right) z F(z) dz$$

is the Doppler broadening analog of the exponential integral function

$$E_3(\tau_0) = \int_0^1 ze^{-\tau_0 z^{-1}} dz$$

The inset on figure 51 shows a larger view of the moment variation. In figures 52 and 53 both $-\alpha_1$ and $-\beta_1$ are plotted against the logarithm of τ_0 . The curves for $\alpha_1(\tau_0)$ approach an asymptote as $\tau_0 \rightarrow \infty$, but those for $\beta_1(\tau_0)$ do not. Thus, the β_1 curves are stopped at the last calculated value for increasing τ_0 , and this last value of τ_0 differs for different values of ω . Asymptotic formulas for the moments α_1, β_1 can be found in reference 8.

A SIMPLE ANALYTIC APPROXIMATION

It appears that analytic approximations to solutions of radiation transfer problems are in some demand, as judged by the large amount of work that has been devoted to the Schuster-Schwarzschild approach, the Eddington approximation, etc. It may be of interest then, to note that the approach used in this paper, a special way of calculating X- and Y-functions, also yields a very nice set of approximate analytic results.

The approximate differential equations, such as (7) or (23), used to replace the exact integro-differential equations, respectively, (4) and (19), are still nonlinear. They are not, therefore, amenable in general to analytic solution. However, in the most approximate case, in which $N = 1$, some progress can be made. The integral terms are then replaced by the integrand evaluated at a single point of the interval, and the number of differential equations to be solved is reduced to two. Although these are still nonlinear, they can be solved.

This approach is analogous to that of Schuster and Schwarzschild (both these papers are conveniently reprinted in ref. 9) in which the radiation is broken into discrete streams. The advantage of the present approach is the usual one held by the X- and Y-functions; whole classes of problems can be made to depend upon knowledge of these functions and their moments (refs. 1 and 10).

If $N = 1$ is chosen in equations (7), the result is (dropping subscripts on x_1 and y_1)

$$\frac{dx}{d\tau_0} = \frac{\omega}{2} y H_1 \frac{y}{\mu_1} \quad (30a)$$

$$\frac{dy}{d\tau_0} = - \frac{y}{\mu_1} + \frac{\omega}{2} x H_1 \frac{y}{\mu_1} \quad (30b)$$

The same result will appear if $N = 1$ is chosen in the noncoherent case, except that μ_1 becomes z_1 . Actually, $H_1 = 1$ in both cases, since the

zero-order moments of the weighting functions are unity. Thus, equations (30) can be treated and μ_1 can be properly interpreted later. If a new independent variable t is introduced in equations (30), by means of

$$\left. \begin{aligned} dt &= y d\tau_0 \\ t &= \int_0^{\tau_0} y(\tau_1) d\tau_1 \end{aligned} \right\} \quad (31)$$

they become linear:

$$\frac{dx}{dt} = \frac{\omega}{2} \frac{y}{\mu_1} \quad (32a)$$

$$\frac{dy}{dt} = -\frac{1}{\mu_1} + \frac{\omega}{2} \frac{x}{\mu_1} \quad (32b)$$

and the solution can be examined in the phase (or (x,y)) plane. The initial conditions are still

$$x = y = 1 \quad \text{when} \quad t = \tau_0 = 0 \quad (32c)$$

An integral of these equations is readily found:

$$x \frac{dx}{dt} - y \frac{dy}{dt} = \frac{y}{\mu_1} = \frac{2}{\omega} \frac{dx}{dt}$$

so that

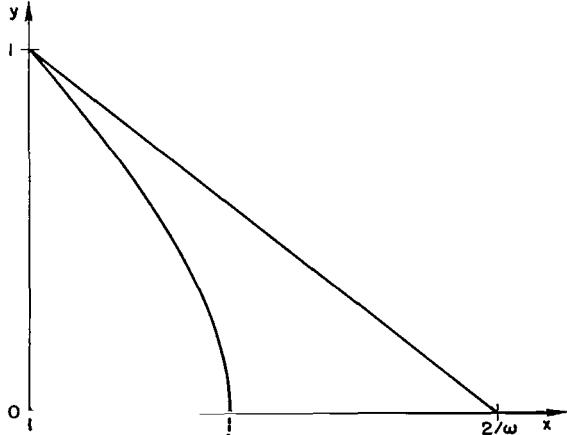
$$x^2 - y^2 = \frac{4}{\omega} (x + \text{const.})$$

Since $x = y = 1$ at $t = 0$, the constant is known and the integral is

$$x^2 - y^2 = \frac{4}{\omega} (x - 1)$$

or

$$\left(x - \frac{2}{\omega} \right)^2 - y^2 = \frac{4}{\omega^2} (1 - \omega) \quad (33)$$



Sketch (b).- Behavior of solutions $x(t)$, $y(t)$ near saddle point.

This solution (or the eqs. (32)) shows that a saddle point in the (x,y) plane exists at $(2/\omega, 0)$. Hence, only one set of initial conditions (in a given quadrant) can produce a solution entering $(2/\omega, 0)$. This set is not $(1,1)$ unless $\omega = 1$. In all other cases ($\omega < 1$) the integral curves are arcs of hyperbolas through $(1,1)$ which extend to $(-\infty, -\infty)$ as t increases. However, in terms of the variable of interest τ_0 , rather than of t , the singularity of the system (30) is not simple, and typical saddle-point

behavior cannot be expected. Solutions in terms of τ_0 can be found by using y^2 from equation (33) in equation (30a):

$$\frac{dx}{d\tau_0} = \frac{\omega}{2\mu_1} y^2 = \frac{\omega}{2\mu_1} \left[\left(x - \frac{2}{\omega} \right)^2 - \frac{4}{\omega^2} (1 - \omega) \right]$$

or

$$\frac{dx}{d\tau_0} = \frac{\omega}{2\mu_1} x^2 - \frac{2}{\mu_1} x + \frac{2}{\mu_1} \quad (34)$$

This is a Riccati equation, and its solution with $x(0) = 1$ is

$$x(\tau_0) = 2 - \frac{(1 + \delta) - (1 - \delta) \exp\left(-\frac{2\delta}{\mu_1} \tau_0\right)}{(1 + \delta)^2 - (1 - \delta)^2 \exp\left(-\frac{2\delta}{\mu_1} \tau_0\right)} \quad (35a)$$

where

$$\delta = \sqrt{1 - \omega}$$

Similarly, it is found that

$$y(\tau_0) = \frac{4\delta \exp\left(-\frac{\delta}{\mu_1} \tau_0\right)}{(1 + \delta)^2 - (1 - \delta)^2 \exp\left(-\frac{2\delta}{\mu_1} \tau_0\right)} \quad (35b)$$

In the conservative case, $\omega = 1$, the results simplify greatly:

$$x(\tau_0) = 2 - \frac{1}{1 + (\tau_0/2\mu_1)} ; \quad y(\tau_0) = \frac{1}{1 + (\tau_0/2\mu_1)} = 2 - x(\tau_0) \quad (35c)$$

The solutions given in equations (35), now in terms of the physical variable τ_0 , show the correct qualitative behavior as $\tau_0 \rightarrow \infty$. That is, the functions $x(\tau_0)$, $y(\tau_0)$ approach finite values for very large τ_0 , rather than receding to infinity as they did in terms of the intermediate variable t . However, t was a useful intermediary since it opened the possibility of using phase-plane-like plots for X and Y , and such plots are very edifying as to the general behavior of these complicated functions.

The x, y given by equations (35) represent an approximation to $X(\mu_1; \tau_0)$, $Y(\mu_1; \tau_0)$. Note that

$$\lim_{\tau_0 \rightarrow \infty} Y(\mu_1; \tau_0) = 0$$

$$\lim_{\tau_0 \rightarrow \infty} X(\mu_1; \tau_0) = \frac{2}{1 + \delta} = \frac{2}{1 + \sqrt{1 - \omega}}$$

The limiting expression for $X(\mu_1; \tau_0)$ is an approximation to the function $H(\mu_1)$. In the coherent-scattering problem, where Gauss-Legendre integration is used, $\mu_1 = (1/2)$, so that the approximation has led to the result

$$H\left(\frac{1}{2}\right) = \frac{2}{1 + \sqrt{1 - \omega}}$$

Checks with exact results listed in reference 1 (p. 125) show that the above is not in error by more than 3 percent in $0 < \omega < 1$.

In the noncoherent scattering case, μ_1 becomes z_1 , and from values listed in the appendix it is found that $z_1 \approx 0.684$. The tables of reference 7 give $H(z)$ for the Doppler broadening treated here, and in this case the error of the above approximation varies from practically zero near $\omega = 0$ to about 15 percent at $\omega = 1$. It appears already that the approximate results are destined to be much better for coherent scattering than for noncoherent.

An interesting fact emerges if the zero-order moments of the X - and Y -functions are approximated according to the present scheme. Then,

$$\alpha_0 = \int_0^1 X d\mu = x(\tau_0)$$

$$\beta_0 = \int_0^1 Y d\mu = y(\tau_0)$$

Hence, by means of equation (33),

$$\left(\alpha_0 - \frac{2}{\omega}\right)^2 - \beta_0^2 = \frac{4}{\omega^2} (1 - \omega) \quad (36)$$

a result which has appeared previously, and which is an exact relation for both coherent and noncoherent scattering. Furthermore, the moment of the H -function,

$$\int_0^1 H(\mu) d\mu = \lim_{\tau_0 \rightarrow \infty} \alpha_0(\tau_0) = \frac{2}{\omega} (1 - \sqrt{1 - \omega}) \quad (37)$$

is again an exact value, for both types of scattering considered herein. The integrals defining the moments for the noncoherent case are different from those above, but the quadrature results are the same in the present approximation of single-point quadrature. Higher order moments than the zeroth do not share the property of agreement with exact results.

Values of $X(\mu; \tau_0)$, $Y(\mu; \tau_0)$ can be obtained, in consistent approximation, by solving equations (3). Thus, using again the $N = 1$ quadrature, equations (2) become

$$\xi^\pm(\mu; \tau_0) \doteq \frac{\omega\mu}{2} \frac{x(\tau_0)}{\mu \pm \mu_1} \quad (38a)$$

$$\zeta^\pm(\mu; \tau_0) \doteq \frac{\omega\mu}{2} \frac{y(\tau_0)}{\mu \pm \mu_1} \quad (38b)$$

The solutions for X and Y are

$$X(\mu; \tau_0) \doteq \frac{1}{(1-\omega)\mu^2 - \mu_1^2} \left\{ (\mu^2 - \mu_1^2) - \frac{\omega\mu}{2} \left[(\mu + \mu_1)x(\tau_0) + (\mu - \mu_1)e^{-\tau_0/\mu} y(\tau_0) \right] \right\} \quad (39a)$$

$$Y(\mu; \tau_0) \doteq \frac{1}{(1-\omega)\mu^2 - \mu_1^2} \left\{ (\mu^2 - \mu_1^2)e^{-\tau_0/\mu} - \frac{\omega\mu}{2} \left[(\mu - \mu_1)e^{-\tau_0/\mu} x(\tau_0) + (\mu + \mu_1)y(\tau_0) \right] \right\} \quad (39b)$$

The solution for X gives, as $\tau_0 \rightarrow \infty$, an approximation to the H -function:

$$H(\mu) \doteq \frac{\mu + \mu_1}{\mu_1 + \delta\mu}; \quad \delta^2 = 1 - \omega \quad (40)$$

In the coherent case, this formula is never in error more than about 4 percent, for any μ or ω . However, for noncoherent scattering, formula (40), which becomes

$$H(z) \doteq \frac{0.684 + z}{0.684 + \sqrt{1 - \omega} z}$$

is only useful when $\omega \leq 0.9$; for the values close to unity this approximation is meaningless.

To show the equivalence of the present results with the method of Schuster and Schwarzschild (for coherent scattering), consider a problem solved by them (see ref. 9, p. 42). This is the problem of radiative transport through a slab, with diffuse radiation incident on one side, and a vacuum at the other side. From the systematic presentation of boundary conditions given in reference 8, this corresponds to that of intensity $I(0, \mu) = \text{const.} = B$ entering at $\tau = 0$, and $I(\tau_0, -\mu) = 0$ at the other side $\tau = \tau_0$. The formal solution, requiring only a change of the variable z into μ to convert from noncoherent to coherent scattering, is

$$\frac{I(\tau_0, \mu)}{B} = \frac{\omega}{2} \beta_0(\tau_0) X(\mu; \tau_0) + \left[1 - \frac{\omega}{2} \alpha_0(\tau_0) \right] Y(\mu; \tau_0) \quad (41)$$

This is the intensity at $\tau = \tau_0$ leaving the slab, given the diffuse input B at $\tau = 0$.

Consider, as in reference 9, the conservative case $\omega = 1$. The special solutions (35c) can be applied in evaluating (41) (recall that $\alpha_0 = x$, $\beta_0 = y$) to give

$$\frac{I(\tau_0, \mu)}{B} = \frac{\beta_0(\tau_0)}{2} [X(\mu; \tau_0) + Y(\mu; \tau_0)] \quad (42)$$

Now, by means of equations (39), it is found that

$$\frac{I(\tau_0, \mu)}{B} = \frac{1}{2(1 + \tau_0)} [(1 + 2\mu) + (1 - 2\mu)e^{-\tau_0/\mu}] \quad (43)$$

In the notation of Schwarzschild, the expression on the right of (43) is $b(0, i)$, where $\cos i = \mu$, and is in agreement with the result given in reference 9 (p. 42). Hence the results of the $N = 1$ approximation agree with the Schuster-Schwarzschild approximation, and, because of the wide applicability of the X - and Y -functions and their moments, afford an easy and versatile approximation technique for problems in the transport of radiation through slabs.

Further versatility of the technique is shown when nonisotropic scattering is considered. Then, the characteristic function $\Psi(\mu)$ of Chandrasekhar enters the integrals in equations (4) as a weight function, viz.:

$$\left. \begin{aligned} \frac{\partial X}{\partial \tau_0} &= Y \int_0^1 Y(\mu') \frac{\Psi(\mu')}{\mu'} d\mu' \\ \frac{\partial Y}{\partial \tau_0} &= -\frac{Y}{\mu} + X \int_0^1 Y(\mu') \frac{\Psi(\mu')}{\mu'} d\mu' \end{aligned} \right\} \quad (44)$$

In the conversion of these into a set of differential equations, the quadrature formulas can be altered so as to take the weight function $\Psi(\mu)$ into account. In physical problems with coherent scattering, $\Psi(\mu)$ is a polynomial in μ^2 . The noncoherent case studied above, after transformation to the interval $(0, 1)$, is something analogous to the set (44) with characteristic function

$$\Psi(\mu) = \frac{f(\mu)}{(\mu - 1)^2}$$

In the coherent case, a problem of nonisotropic scattering of interest involves Rayleigh scattering (see ref. 1). The characteristic function then is, in part,

$$\Psi(\mu) = \frac{3}{16} (3 - \mu^2)$$

If we require an approximate $N = 1$ solution, it is easily found that the proper integration formula gives

$$H_1 = \frac{1}{2}, \quad \mu_1 = \frac{15}{32}$$

By carrying through the details again we are led finally to the approximate H-function

$$H(\mu) = 1 + \frac{32}{15} \mu$$

This can be compared with exact results in reference 1 (p. 132) and the errors are found to be less than 4 percent for all μ .

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APPENDIX

DEVELOPMENT OF GAUSS QUADRATURE FORMULAS

In this appendix, some details of the development of the particular quadrature formula, of Gauss type, used in reducing the integro-differential equations to differential equations in the case of noncoherent scattering will be given. The derivation of the quadrature formulas follows that of reference 16.

The weighting function to be dealt with here is

$$F(z) = \frac{1}{\sqrt{2}} \cdot \begin{cases} 1 & 0 \leq z < 1 \\ \operatorname{erfc}(\sqrt{2 \ln z}) & z > 1 \end{cases} \quad (A1)$$

and the interval of integration is $z > 0$. To start, the variable z is changed;

$$z = \frac{u}{1-u} \quad (A2)$$

The problem is now one of determining a formula of the type

$$\int_0^\infty G(z)F(z)dz = \int_0^1 G\left(\frac{u}{1-u}\right) \frac{f(u)}{(1-u)^2} du \doteq \sum_{j=1}^N H_j G\left(\frac{u_j}{1-u_j}\right) \quad (A3)$$

where

$$f(u) = \frac{1}{\sqrt{2}} \cdot \begin{cases} 1 & 0 \leq u < \frac{1}{2} \\ \operatorname{erfc}\left(\sqrt{2 \ln \frac{u}{1-u}}\right) & \frac{1}{2} < u \leq 1 \end{cases} \quad (A4)$$

In terms of u , the weighting function is $f(u)(1-u)^{-2}$, and the interval of integration is $(0,1)$. The finite sum at the end of expression (A3) is the Gauss-type quadrature formula appropriate to the weighting function and integration interval. As pointed out in the text, the variable z is changed to u because polynomials in z are unsuitable objects for $G(z)$ in (A3), and the quadrature formulas of Gauss type rely upon replacement of the arbitrary function in an integral by a polynomial. Incidentally, formula (A3) will be exact if $G[u/(1-u)]$ is a polynomial in u of degree $< 2N$.

The derivation of the quadrature formula depends upon the development of the set of polynomials which are orthogonal on the interval $(0,1)$ with weight function $f(u)(1-u)^{-2}$. The apparent singularity of this weight function does not harm the situation, for

$$\lim_{u \rightarrow 1} \frac{f(u)}{(1-u)^2} = \lim_{u \rightarrow 1} \frac{1}{\sqrt{\pi} \ln(1-u)^{-4}} = 0$$

Let

$$\bar{h}_n(u) = u^n + a_{n,n-1}u^{n-1} + \dots + a_{n,1}u + a_{n,0} \quad (A5)$$

be a set of polynomials having the properties

$$\int_0^1 \frac{f(u)}{(1-u)^2} \bar{h}_n(u) \bar{h}_m(u) du = \begin{cases} 0 & n \neq m \\ \gamma_n \neq 0 & n = m \end{cases} \quad (A6)$$

Any monomial u^k can be expressed as

$$u^k = \sum_{\nu=0}^k b_\nu \bar{h}_\nu(u)$$

so, from (A6)

$$\int_0^1 \frac{f(u)}{(1-u)^2} u^k h_n(u) du = 0 \quad ; \quad k = 0, 1, \dots, n-1 \quad (A7)$$

Hence, the set of linear equations

$$0 = J_n + J_{n-1}a_{n,n-1} + \dots + J_1a_{n,1} + J_0a_{n,0}$$

$$0 = J_{n+1} + J_{n}a_{n,n-1} + \dots + J_2a_{n,1} + J_1a_{n,0}$$

$$0 = J_{2n-1} + J_{2n-2}a_{n,n-1} + \dots + J_n a_{n,1} + J_{n-1} a_{n,0}$$

must hold, where

$$J_n = \int_0^1 u^n \frac{f(u)}{(1-u)^2} du \quad (A8)$$

are the moments of the weight function. There are n nonhomogeneous equations in n unknowns, so a solution exists. Let

$$A^T = [a_{n,0}, a_{n,1}, \dots, a_{n,n-1}]$$

$$B^T = [-J_n, -J_{n+1}, \dots, -J_{2n-1}]$$

$$\mathbf{J} = \begin{bmatrix} J_0 & J_1 & \dots & J_{n-1} \\ J_1 & J_2 & \dots & J_n \\ \vdots & \vdots & \ddots & \vdots \\ J_{n-1} & J_n & \dots & J_{2n-2} \end{bmatrix}$$

The system of linear equations can then be written

$$\left. \begin{array}{l} \mathbf{JA} = \mathbf{B} \\ \mathbf{A} = \mathbf{J}^{-1}\mathbf{B} \end{array} \right\} \quad (A9)$$

so the coefficients $a_{n,k}$ ($k = 0, \dots, n-1$) can be determined. The constant γ_n of equation (A6) is

$$\begin{aligned} \gamma_n &= \int_0^1 \frac{f(u)}{(1-u)^2} u^n \bar{h}_n(u) du = J_{2n} + a_{n,n-1} J_{2n-1} + \dots + a_{n,0} J_n \\ &= J_{2n} - \mathbf{B}^T \mathbf{A} \end{aligned} \quad (A10)$$

By formation of the new polynomials

$$h_n(u) = \gamma_n^{-1/2} \bar{h}_n(u)$$

called a normalized set, or orthonormal set, the relation (A6) can be written

$$\int_0^1 \frac{f(u)}{(1-u)^2} h_n(u) h_m(u) du = \delta_{n,m} \quad (A11)$$

where $\delta_{n,m}$ is Kronecker's delta. If

$$U^T = [1, u, u^2, \dots, u^{n-1}]$$

then

$$\bar{h}_n(u) = u^n + A^T \cdot U \quad (A12)$$

Once the appropriate orthogonal polynomials are found, the quadrature points u_j and weights H_j are found as follows. The points u_j , appropriate to a quadrature formula of order N (exact for polynomials of degree $< 2N$), are simply the zeros of the orthogonal polynomial $h_N(u)$ (or $\bar{h}_N(u)$). The weights for order N are given by (ref. 15)

$$H_j^{(N)} = \sqrt{\frac{\gamma_{N-1}}{\gamma_N}} \frac{1}{h_N \left[u_j^{(N)} \right] h_{N-1} \left[u_j^{(N)} \right]} \quad (A13)$$

where the superscript N on H and u is dropped when there is no danger of confusion.

It is seen that the determination of the quadrature constants for the N -point formula depends upon evaluation of the moments J_n of equation (A8) for $n = 0, 1, \dots, 2N$. To proceed then,

$$\begin{aligned} J_n &= \int_0^1 u^n \frac{f(u)}{(1-u)^2} du = \int_0^\infty \left(\frac{z}{1+z} \right)^n F(z) dz \\ &= \frac{1}{\sqrt{2}} \int_0^1 \left(\frac{z}{1+z} \right)^n dz + \frac{1}{\sqrt{2}} \int_1^\infty \left(\frac{z}{1+z} \right)^n \operatorname{erfc}(\sqrt{2 \ln z}) dz \\ &= \frac{1}{\sqrt{2}} \int_0^1 \left(\frac{z}{1+z} \right)^n dz + \sqrt{\frac{2}{\pi}} \int_0^\infty e^{-t^2} dt \int_1^e \left(\frac{z}{1+z} \right)^n dz \quad (A14) \end{aligned}$$

by reversal of order of integration in the second integral.

Now,

$$\begin{aligned} \int \left(\frac{z}{1+z} \right)^n dz &= z \\ &= z - \ln(1+z) \\ &= z - n \ln(1+z) - \sum_{v=1}^{n-1} \binom{n}{v+1} \frac{1}{v} \frac{(-1)^{v+1}}{(1+z)^v} \end{aligned} \left. \begin{array}{l} n=0 \\ n=1 \\ n>1 \end{array} \right\} \quad (A15)$$

If these results are used in equation (A14) it is found that

$$\left. \begin{aligned} J_0 &= 1 \\ J_1 &= 1 - \frac{1}{\sqrt{2}} \left\{ \frac{1}{4} + \frac{2}{\sqrt{\pi}} \int_0^\infty e^{-t^2} \ln[1 + e^{-(1/2)t^2}] dt \right\} \\ J_n &= nJ_1 - (n-1) + \frac{1}{\sqrt{2}} \sum_{v=1}^{n-1} \binom{n}{v+1} \frac{(-1)^{v+1}}{v} (1 - K_v) \quad n > 1 \end{aligned} \right\} \quad (A16)$$

where

$$K_\nu = \frac{2}{\sqrt{\pi}} \int_0^\infty \frac{e^{-t^2} dt}{[1 + e^{(1/2)t^2}]^\nu}, \quad \nu > 0$$

The integrals involved in the evaluation of J_n do not appear to be expressible in closed form. Hence, because of the factor e^{-t^2} , Gauss-Hermite integration was used to evaluate them. Extensive tables of the necessary constants appear in reference 16. The calculation was done with double precision routines. The order of the Hermite quadrature was increased until, for $N = 128$ and $N = 136$, the highest order moments needed (J_{18}) agreed to 12 significant figures. The large number of significant figures was needed at this point in order to emerge with 6 significant figures in the values of u_j and H_j .

The highest order quadrature formula it was possible to obtain by the methods outlined above was $N = 9$. The limiting factor was loss of significance in the calculation of the number γ_n (eq. (A10)). More sophisticated numerical techniques would presumably make it possible to proceed much farther in order of quadrature formulas, but this was not attempted.

Quadrature constants for $N = 1, 2, 3, \dots, 9$ are listed here, as well as the 12-figure values used for J_0, \dots, J_{18} .

NUMERICAL VALUES OF THE INTEGRALS J_n

n	J_n
0	1.000000000000
1	0.406054330747
2	0.207210018073
3	0.120762620804
4	0.0778858805176
5	0.0545068874530
6	0.0407163972335
7	0.0320045952694
8	0.0261611488506
9	0.0220342101772
10	0.0189899639392
11	0.0166617729101
12	0.0148274772820
13	0.0133465598914
14	0.0121265898628
15	0.0111045824712
16	0.0102362504330
17	0.00948958167390
18	0.00884087127241

GAUSSIAN QUADRATURE COEFFICIENTS AND NODES FOR THE
WEIGHT FUNCTION $f(u)(1 - u)^{-2}$

N = 1			N = 5			N = 8		
j	u _j	H _j	j	u _j	H _j	j	u _j	H _j
1	0.406054	1.000000	1	0.0494660	0.0968951	1	0.0206792	0.0387768
N = 2								
1	0.225155	0.563989	2	0.233981	0.276002	2	0.104843	0.0998762
2	0.640051	0.436011	3	0.461913	0.462189	3	0.240042	0.187145
N = 3								
1	0.119502	0.258603	4	0.706986	0.135658	4	0.399995	0.315221
2	0.447136	0.624230	5	0.932551	0.0292558	5	0.544236	0.239342
3	0.819642	0.117167	N = 6			6	0.722574	0.0794802
N = 4								
1	0.0742117	0.150891	1	0.0355161	0.0681397	7	0.875754	0.0308433
2	0.328622	0.454996	2	0.174230	0.186523	8	0.973792	0.00931584
3	0.580330	0.341234	3	0.374072	0.372669	N = 9		
4	0.894617	0.0528791	4	0.556835	0.280783	1	0.0167683	0.0312371
N = 5								
1	0.0265503	0.0502379	2	0.132880	0.132587	2	0.0855469	0.0787568
2	0.296638	0.255900	3	0.469896	0.369843	3	0.198382	0.142668
3	0.652616	0.133455	4	0.840079	0.0452004	4	0.338006	0.234803
4	0.965690	0.0127762	5	0.840079	0.0452004	5	0.477206	0.307708
N = 7								
1	0.0127762	0.00697702	6	0.777405	0.0515839	6	0.623688	0.124269
2	0.965690	0.0127762	7	0.902132	0.0219967	7	0.979606	0.00697702
3	0.840079	0.0452004	8	0.469896	0.369843	8	0.132880	0.132587
4	0.652616	0.133455	9	0.296638	0.255900	9	0.0265503	0.0502379
5	0.469896	0.369843						
6	0.296638	0.255900						
7	0.132880	0.132587						

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TABLE I.- VALUES OF $X(z; \tau_o)$ AND $Y(z; \tau_o)$ FOR NONCOHERENT SCATTERING WITH DOPPLER BROADENING; RANGE $0 < z \leq \infty$, $0 < \omega \leq 0.9$, τ_o INCREASING FROM $\tau_o = 0$.

OMEGA = 0.10		TAU = 0.050		TAU = 0.100		TAU = 0.200		TAU = 0.300	
z	x	x	y	x	y	x	y	x	y
0.01	1.0017E 00	7.7826E-03	1.0017E 00	8.1499E-04	1.0017E 00	5.4012E-04	1.0017E 00	4.1493E-04	
0.05	1.0045E 00	3.7178E-01	1.0055E 00	1.3935E-01	1.0059E 00	2.1403E-02	1.0059E 00	4.8137E-03	
0.10	1.0054E 00	6.1156E-01	1.0074E 00	3.7418E-01	1.0089E 00	1.4148E-01	1.0093E 00	5.4913E-02	
0.20	1.0059E 00	7.8455E-01	1.0088E 00	6.1468E-01	1.0119E 00	3.7766E-01	1.0133E 00	2.3268E-01	
0.30	1.0062E 00	8.5250E-01	1.0094E 00	7.2546E-01	1.0133E 00	5.2507E-01	1.0154E 00	3.8016E-01	
0.40	1.0063E 00	8.8666E-01	1.0097E 00	7.8815E-01	1.0141E 00	6.1930E-01	1.0166E 00	4.8641E-01	
0.50	1.0063E 00	9.1108E-01	1.0099E 00	8.2834E-01	1.0146E 00	6.8382E-01	1.0175E 00	5.6407E-01	
0.60	1.0064E 00	9.2635E-01	1.0101E 00	8.5628E-01	1.0150E 00	7.3055E-01	1.0181E 00	6.2226E-01	
0.80	1.0064E 00	9.4579E-01	1.0102E 00	8.9253E-01	1.0154E 00	7.9351E-01	1.0189E 00	7.0464E-01	
1.00	1.0065E 00	9.5765E-01	1.0103E 00	9.1501E-01	1.0157E 00	8.3387E-01	1.0194E 00	7.5895E-01	
1.50	1.0065E 00	9.7370E-01	1.0105E 00	9.4588E-01	1.0162E 00	8.9091E-01	1.0201E 00	8.3797E-01	
2.00	1.0065E 00	9.8182E-01	1.0106E 00	9.6170E-01	1.0164E 00	9.2089E-01	1.0205E 00	8.8053E-01	
3.00	1.0066E 00	9.9020E-01	1.0106E 00	9.7779E-01	1.0166E 00	9.5188E-01	1.0209E 00	9.2527E-01	
4.00	1.0066E 00	9.9414E-01	1.0107E 00	9.8594E-01	1.0167E 00	9.6776E-01	1.0211E 00	9.4849E-01	
5.00	1.0066E 00	9.9662E-01	1.0107E 00	9.9086E-01	1.0168E 00	9.7742E-01	1.0212E 00	9.6270E-01	
7.50	1.0066E 00	9.9996E-01	1.0107E 00	9.9745E-01	1.0169E 00	9.9045E-01	1.0214E 00	9.8198E-01	
10.00	1.0066E 00	1.0016E 00	1.0107E 00	1.0008E 00	1.0169E 00	9.9703E-01	1.0219E 00	9.9176E-01	
15.00	1.0066E 00	1.0033E 00	1.0108E 00	1.0041E 00	1.0169E 00	1.0037E 00	1.0219E 00	1.0016E 00	
20.00	1.0066E 00	1.0041E 00	1.0108E 00	1.0058E 00	1.0170E 00	1.0070E 00	1.0216E 00	1.0066E 00	
30.00	1.0066E 00	1.0049E 00	1.0108E 00	1.0074E 00	1.0170E 00	1.0103E 00	1.0216E 00	1.0116E 00	
50.00	1.0066E 00	1.0056E 00	1.0108E 00	1.0088E 00	1.0170E 00	1.0130E 00	1.0217E 00	1.0157E 00	
75.00	1.0066E 00	1.0059E 00	1.0108E 00	1.0094E 00	1.0170E 00	1.0143E 00	1.0217E 00	1.0177E 00	
100.00	1.0066E 00	1.0061E 00	1.0108E 00	1.0098E 00	1.0170E 00	1.0150E 00	1.0217E 00	1.0187E 00	
150.00	1.0066E 00	1.0063E 00	1.0108E 00	1.0101E 00	1.0170E 00	1.0157E 00	1.0217E 00	1.0197E 00	
200.00	1.0066E 00	1.0064E 00	1.0108E 00	1.0103E 00	1.0170E 00	1.0160E 00	1.0217E 00	1.0202E 00	
300.00	1.0066E 00	1.0064E 00	1.0108E 00	1.0104E 00	1.0170E 00	1.0164E 00	1.0217E 00	1.0207E 00	
400.00	1.0066E 00	1.0065E 00	1.0108E 00	1.0105E 00	1.0170E 00	1.0165E 00	1.0217E 00	1.0210E 00	
500.00	1.0066E 00	1.0065E 00	1.0108E 00	1.0106E 00	1.0170E 00	1.0166E 00	1.0217E 00	1.0211E 00	
750.00	1.0066E 00	1.0065E 00	1.0108E 00	1.0106E 00	1.0170E 00	1.0168E 00	1.0217E 00	1.0213E 00	
1000.00	1.0066E 00	1.0066E 00	1.0108E 00	1.0107E 00	1.0170E 00	1.0168E 00	1.0217E 00	1.0214E 00	
2000.00	1.0066E 00	1.0066E 00	1.0108E 00	1.0107E 00	1.0170E 00	1.0169E 00	1.0217E 00	1.0216E 00	
3000.00	1.0066E 00	1.0066E 00	1.0108E 00	1.0107E 00	1.0170E 00	1.0170E 00	1.0217E 00	1.0216E 00	
4000.00	1.0066E 00	1.0066E 00	1.0108E 00	1.0108E 00	1.0170E 00	1.0170E 00	1.0217E 00	1.0216E 00	
5000.00	1.0066E 00	1.0066E 00	1.0108E 00	1.0108E 00	1.0170E 00	1.0170E 00	1.0217E 00	1.0217E 00	
6000.00	1.0066E 00	1.0066E 00	1.0108E 00	1.0108E 00	1.0170E 00	1.0170E 00	1.0217E 00	1.0217E 00	
7000.00	1.0066E 00	1.0066E 00	1.0108E 00	1.0108E 00	1.0170E 00	1.0170E 00	1.0217E 00	1.0217E 00	
8000.00	1.0066E 00	1.0066E 00	1.0108E 00	1.0108E 00	1.0170E 00	1.0170E 00	1.0217E 00	1.0217E 00	
9000.00	1.0066E 00	1.0066E 00	1.0108E 00	1.0108E 00	1.0170E 00	1.0170E 00	1.0217E 00	1.0217E 00	
10000.00	1.0066E 00	1.0066E 00	1.0108E 00	1.0108E 00	1.0170E 00	1.0170E 00	1.0217E 00	1.0217E 00	
INF	1.0066E 00	1.0066E 00	1.0108E 00	1.0108E 00	1.0170E 00	1.0170E 00	1.0217E 00	1.0217E 00	
TAU = 0.400		TAU = 0.500		TAU = 0.600		TAU = 0.800			
z	x	y	x	y	x	y	x	y	
0.01	1.0017E 00	3.3449E-04	1.0017E 00	2.7742E-04	1.0017E 00	2.3431E-04	1.0017E 00	1.7324E-04	
0.05	1.0059E 00	2.1805E-03	1.0059E 00	1.5552E-03	1.0059E 00	1.2703E-03	1.0059E 00	9.2502E-04	
0.10	1.0095E 00	2.2481E-02	1.0095E 00	1.0145E-02	1.0095E 00	5.3070E-03	1.0095E 00	2.3682E-03	
0.20	1.0139E 00	1.4400E-01	1.0143E 00	8.9704E-02	1.0145E 00	5.6392E-02	1.0146E 00	2.3225E-02	
0.30	1.0165E 00	2.7552E-01	1.0172E 00	1.9998E-01	1.0177E 00	1.4545E-01	1.0181E 00	7.7573E-02	
0.40	1.0182E 00	3.8207E-01	1.0192E 00	3.0024E-01	1.0199E 00	2.3608E-01	1.0206E 00	1.4633E-01	
0.50	1.0193E 00	4.6517E-01	1.0206E 00	3.8360E-01	1.0215E 00	3.1637E-01	1.0225E 00	2.1538E-01	
0.60	1.0204E 00	5.3049E-01	1.0216E 00	4.5185E-01	1.0227E 00	3.8483E-01	1.0240E 00	2.7917E-01	
0.80	1.0213E 00	6.2532E-01	1.0231E 00	5.5411E-01	1.0244E 00	4.9193E-01	1.0261E 00	3.8669E-01	
1.00	1.0220E 00	6.2747E-01	1.0240E 00	6.2747E-01	1.0259E 00	5.7019E-01	1.0278E 00	4.7050E-01	
1.50	1.0231E 00	7.8752E-01	1.0254E 00	7.3968E-01	1.0272E 00	6.4946E-01	1.0298E 00	6.1157E-01	
2.00	1.0236E 00	8.4121E-01	1.0261E 00	8.0316E-01	1.0281E 00	7.6560E-01	1.0310E 00	6.9743E-01	
3.00	1.0242E 00	8.9859E-01	1.0269E 00	8.7214E-01	1.0290E 00	8.4670E-01	1.0323E 00	7.9545E-01	
4.00	1.0245E 00	9.2874E-01	1.0273E 00	9.0883E-01	1.0295E 00	8.8893E-01	1.0330E 00	8.4956E-01	
5.00	1.0247E 00	9.4731E-01	1.0275E 00	9.3159E-01	1.0298E 00	9.1569E-01	1.0334E 00	8.8379E-01	
7.50	1.0249E 00	9.7267E-01	1.0278E 00	9.6282E-01	1.0302E 00	9.5263E-01	1.0340E 00	9.3159E-01	
10.00	1.0251E 00	9.8560E-01	1.0280E 00	9.7884E-01	1.0304E 00	9.7166E-01	1.0343E 00	9.5647E-01	
15.00	1.0252E 00	9.9870E-01	1.0282E 00	9.9512E-01	1.0306E 00	9.9107E-01	1.0346E 00	9.8201E-01	
20.00	1.0252E 00	1.0053E 00	1.0282E 00	1.0034E 00	1.0307E 00	1.0009E 00	1.0347E 00	9.9504E-01	
30.00	1.0253E 00	1.0120E 00	1.0283E 00	1.0117E 00	1.0309E 00	1.0109E 00	1.0349E 00	1.0082E 00	
50.00	1.0254E 00	1.0173E 00	1.0284E 00	1.0184E 00	1.0309E 00	1.0189E 00	1.0350E 00	1.0189E 00	
75.00	1.0254E 00	1.0202E 00	1.0284E 00	1.0217E 00	1.0310E 00	1.0229E 00	1.0350E 00	1.0243E 00	
100.00	1.0254E 00	1.0214E 00	1.0284E 00	1.0234E 00	1.0310E 00	1.0250E 00	1.0351E 00	1.0270E 00	
150.00	1.0254E 00	1.0227E 00	1.0285E 00	1.0251E 00	1.0310E 00	1.0270E 00	1.0351E 00	1.0297E 00	
200.00	1.0254E 00	1.0234E 00	1.0285E 00	1.0260E 00	1.0310E 00	1.0280E 00	1.0351E 00	1.0311E 00	
300.00	1.0254E 00	1.0241E 00	1.0285E 00	1.0268E 00	1.0311E 00	1.0290E 00	1.0351E 00	1.0324E 00	
400.00	1.0254E 00	1.0244E 00	1.0285E 00	1.0272E 00	1.0311E 00	1.0295E 00	1.0351E 00	1.0331E 00	
500.00	1.0254E 00	1.0246E 00	1.0285E 00	1.0275E 00	1.0311E 00	1.0299E 00	1.0352E 00	1.0335E 00	
750.00	1.0254E 00	1.0249E 00	1.0285E 00	1.0278E 00	1.0311E 00	1.0303E 00	1.0352E 00	1.0341E 00	
1000.00	1.0254E 00	1.0250E 00	1.0285E 00	1.0280E 00	1.0311E 00	1.0305E 00	1.0352E 00	1.0344E 00	
2000.00	1.0254E 00	1.0252E 00	1.0285E 00	1.0282E 00	1.0311E 00	1.0308E 00	1.0352E 00	1.0348E 00	
3000.00	1.0254E 00	1.0253E 00	1.0285E 00	1.0283E 00	1.0311E 00	1.0309E 00	1.0352E 00	1.0349E 00	
4000.00	1.0254E 00	1.0253E 00	1.0285E 00	1.0284E 00	1.0311E 00	1.0309E 00	1.0352E 00	1.0350E 00	
5000.00	1.0254E 00	1.0254E 00	1.0285E 00	1.0284E 00	1.0311E 00	1.0310E 00	1.0352E 00	1.0350E 00	
6000.00	1.0254E 00	1.0254E 00	1.0285E 00	1.0284E 00	1.0311E 00	1.0310E 00	1.0352E 00	1.0350E 00	
7000.00	1.0254E 00	1.0254E 00	1.0285E 00	1.0284E 00	1.0311E 00	1.0310E 00	1.0352E 00	1.0351E 00	
8000.00	1.0254E 00	1.0254E 00	1.0285E 00	1.0284E 00	1.0311E 00	1.0310E 00	1.0352E 00	1.0351E 00	
9000.00	1.0254E 00	1.0254E 00	1.0285E 00	1.0284E 00	1.0311E 00	1.0310E 00	1.0352E 00	1.0351E 00	
10000.00	1.0254E 00	1.0254E 00	1.0285E 00	1.0284E 00	1.0311E 00	1.0310E 00	1.0352E 00	1.0351E 00	
INF	1.0254E 00	1.0254E 00	1.0285E 00	1.0285E 00	1.0311E 00	1.0311E 00	1.0352E 00	1.0352E 00	

OMEGA = 0.10

TAU = 1.000

TAU = 1.500

TAU = 2.000

TAU = 2.500

Z	X	Y	X	Y	X	Y	X	Y
0.01	1.0017E 00	1.3235E-04	1.0017E 00	7.3970E-05	1.0017E 00	4.5000E-05	1.0017E 00	2.9048E-05
0.05	1.0059E 00	7.0198E-04	1.0059E 00	3.8845E-04	1.0059E 00	2.3489E-04	1.0059E 00	1.5092E-04
0.10	1.0095E 00	1.5693E-03	1.0096E 00	8.2941E-04	1.0096E 00	4.9675E-04	1.0096E 00	3.1710E-04
0.20	1.0147E 00	1.0417E-02	1.0147E 00	2.4889E-03	1.0147E 00	1.1740E-03	1.0147E 00	7.1117E-04
0.30	1.0183E 00	4.2013E-02	1.0184E 00	1.0184E-02	1.0184E 00	3.2515E-03	1.0184E 00	1.4532E-03
0.40	1.0210E 00	9.1125E-02	1.0213E 00	2.8802E-02	1.0213E 00	9.8390E-03	1.0213E 00	3.8197E-03
0.50	1.0231E 00	1.4686E-01	1.0236E 00	5.7054E-02	1.0237E 00	2.2768E-02	1.0237E 00	9.4964E-03
0.60	1.0247E 00	2.0261E-01	1.0254E 00	9.1333E-02	1.0256E 00	4.1619E-02	1.0257E 00	1.9300E-02
0.80	1.0272E 00	3.0385E-01	1.0283E 00	1.6628E-01	1.0287E 00	9.1137E-02	1.0288E 00	5.0125E-02
1.00	1.0298E 00	3.8798E-01	1.0304E 00	2.3921E-01	1.0310E 00	1.4743E-01	1.0312E 00	9.0810E-02
1.50	1.0315E 00	5.3810E-01	1.0338E 00	3.8981E-01	1.0347E 00	2.8100E-01	1.0352E 00	2.0348E-01
2.00	1.0330E 00	6.3309E-01	1.0358E 00	4.9818E-01	1.0370E 00	3.9050E-01	1.0377E 00	3.0526E-01
3.00	1.0346E 00	7.4713E-01	1.0380E 00	6.3708E-01	1.0397E 00	5.4200E-01	1.0406E 00	4.6005E-01
4.00	1.0354E 00	8.1113E-01	1.0392E 00	7.2058E-01	1.0412E 00	6.3868E-01	1.0422E 00	5.6540E-01
5.00	1.0360E 00	8.5216E-01	1.0400E 00	7.7589E-01	1.0421E 00	7.0488E-01	1.0433E 00	6.3957E-01
7.50	1.0367E 00	9.1013E-01	1.0411E 00	8.5635E-01	1.0434E 00	8.0400E-01	1.0449E 00	7.5395E-01
10.00	1.0371E 00	9.4059E-01	1.0416E 00	8.9968E-01	1.0441E 00	8.5871E-01	1.0456E 00	8.1865E-01
15.00	1.0375E 00	9.7207E-01	1.0422E 00	9.4521E-01	1.0449E 00	9.1716E-01	1.0465E 00	8.8894E-01
20.00	1.0377E 00	9.8821E-01	1.0425E 00	9.6885E-01	1.0452E 00	9.4787E-01	1.0469E 00	9.2432E-01
30.00	1.0379E 00	1.0046E 00	1.0428E 00	9.9307E-01	1.0456E 00	9.7962E-01	1.0473E 00	9.6529E-01
50.00	1.0380E 00	1.0179E 00	1.0430E 00	1.0129E 00	1.0459E 00	1.0058E 00	1.0477E 00	9.9765E-01
75.00	1.0381E 00	1.0247E 00	1.0431E 00	1.0230E 00	1.0461E 00	1.0191E 00	1.0479E 00	1.0142E 00
100.00	1.0381E 00	1.0281E 00	1.0432E 00	1.0280E 00	1.0461E 00	1.0259E 00	1.0480E 00	1.0226E 00
150.00	1.0382E 00	1.0314E 00	1.0432E 00	1.0331E 00	1.0462E 00	1.0327E 00	1.0481E 00	1.0311E 00
200.00	1.0382E 00	1.0331E 00	1.0433E 00	1.0357E 00	1.0462E 00	1.0361E 00	1.0481E 00	1.0354E 00
300.00	1.0382E 00	1.0348E 00	1.0433E 00	1.0382E 00	1.0463E 00	1.0395E 00	1.0482E 00	1.0396E 00
400.00	1.0382E 00	1.0357E 00	1.0433E 00	1.0395E 00	1.0463E 00	1.0412E 00	1.0482E 00	1.0418E 00
500.00	1.0382E 00	1.0362E 00	1.0433E 00	1.0403E 00	1.0463E 00	1.0422E 00	1.0482E 00	1.0431E 00
750.00	1.0382E 00	1.0369E 00	1.0433E 00	1.0413E 00	1.0463E 00	1.0436E 00	1.0482E 00	1.0449E 00
1000.00	1.0383E 00	1.0372E 00	1.0434E 00	1.0418E 00	1.0463E 00	1.0443E 00	1.0482E 00	1.0457E 00
2000.00	1.0383E 00	1.0378E 00	1.0434E 00	1.0426E 00	1.0464E 00	1.0453E 00	1.0482E 00	1.0469E 00
3000.00	1.0383E 00	1.0379E 00	1.0434E 00	1.0429E 00	1.0464E 00	1.0457E 00	1.0482E 00	1.0474E 00
4000.00	1.0383E 00	1.0380E 00	1.0434E 00	1.0430E 00	1.0464E 00	1.0458E 00	1.0482E 00	1.0476E 00
5000.00	1.0383E 00	1.0381E 00	1.0434E 00	1.0431E 00	1.0464E 00	1.0459E 00	1.0482E 00	1.0477E 00
6000.00	1.0383E 00	1.0381E 00	1.0434E 00	1.0431E 00	1.0464E 00	1.0460E 00	1.0482E 00	1.0478E 00
7000.00	1.0383E 00	1.0381E 00	1.0434E 00	1.0431E 00	1.0464E 00	1.0461E 00	1.0482E 00	1.0479E 00
8000.00	1.0383E 00	1.0381E 00	1.0434E 00	1.0432E 00	1.0464E 00	1.0461E 00	1.0482E 00	1.0479E 00
9000.00	1.0383E 00	1.0381E 00	1.0434E 00	1.0432E 00	1.0464E 00	1.0461E 00	1.0482E 00	1.0480E 00
10000.00	1.0383E 00	1.0382E 00	1.0434E 00	1.0432E 00	1.0464E 00	1.0462E 00	1.0482E 00	1.0480E 00
INF	1.0383E 00	1.0383E 00	1.0434E 00	1.0434E 00	1.0464E 00	1.0464E 00	1.0482E 00	1.0482E 00

TAU = 3.000

TAU = 3.500

TAU = 4.000

TAU = 4.500

Z	X	Y	X	Y	X	Y	X	Y
0.01	1.0017E 00	1.9654E-05	1.0017E 00	1.3843E-05	1.0017E 00	1.0099E-05	1.0017E 00	7.5969E-06
0.05	1.0059E 00	9.0175E-04	1.0059E 00	7.1448E-05	1.0059E 00	5.1975E-05	1.0059E 00	3.9003E-05
0.10	1.0096E 00	2.1268E-04	1.0096E 00	1.4869E-04	1.0096E 00	1.0776E-04	1.0096E 00	8.0598E-05
0.20	1.0147E 00	4.6848E-04	1.0147E 00	3.2384E-04	1.0147E 00	2.3257E-04	1.0147E 00	1.7262E-04
0.30	1.0184E 00	8.3254E-04	1.0184E 00	5.4648E-04	1.0184E 00	3.8195E-04	1.0184E 00	2.7976E-04
0.40	1.0213E 00	1.7590E-03	1.0213E 00	9.6476E-04	1.0213E 00	6.0795E-04	1.0213E 00	4.2060E-04
0.50	1.0237E 00	4.2370E-03	1.0237E 00	2.0738E-03	1.0237E 00	1.1323E-03	1.0237E 00	6.9196E-04
0.60	1.0257E 00	9.1915E-03	1.0257E 00	4.5511E-03	1.0257E 00	2.3778E-03	1.0257E 00	1.3304E-03
0.80	1.0288E 00	2.7719E-02	1.0289E 00	1.5453E-02	1.0289E 00	8.7132E-03	1.0289E 00	4.9919E-03
1.00	1.0313E 00	5.6026E-02	1.0313E 00	3.4637E-02	1.0313E 00	2.1479E-02	1.0313E 00	1.3377E-02
1.50	1.0354E 00	1.4683E-01	1.0355E 00	1.0592E-01	1.0355E 00	7.6410E-02	1.0356E 00	5.5130E-02
2.00	1.0380E 00	2.3925E-01	1.0382E 00	1.8708E-01	1.0383E 00	1.4623E-01	1.0383E 00	1.1428E-01
3.00	1.0411E 00	3.9094E-01	1.0414E 00	3.3170E-01	1.0416E 00	2.8134E-01	1.0417E 00	2.3857E-01
4.00	1.0429E 00	5.0012E-01	1.0433E 00	4.4212E-01	1.0435E 00	3.9077E-01	1.0437E 00	3.4528E-01
5.00	1.0440E 00	5.7989E-01	1.0445E 00	5.2551E-01	1.0446E 00	4.7609E-01	1.0450E 00	4.3121E-01
7.50	1.0457E 00	7.0655E-01	1.0463E 00	6.6179E-01	1.0466E 00	6.1970E-01	1.0469E 00	5.8017E-01
10.00	1.0466E 00	7.7994E-01	1.0472E 00	7.4273E-01	1.0476E 00	7.0711E-01	1.0479E 00	6.7307E-01
15.00	1.0475E 00	8.6102E-01	1.0482E 00	8.3363E-01	1.0487E 00	8.0691E-01	1.0490E 00	7.8090E-01
20.00	1.0480E 00	9.0468E-01	1.0487E 00	8.8191E-01	1.0492E 00	8.6196E-01	1.0494E 00	8.4116E-01
30.00	1.0495E 00	9.9507E-01	1.0493E 00	9.3571E-01	1.0496E 00	9.2086E-01	1.0502E 00	9.0609E-01
50.00	1.0498E 00	9.8896E-01	1.0497E 00	9.7998E-01	1.0503E 00	9.7084E-01	1.0507E 00	9.6163E-01
75.00	1.0499E 00	1.0087E 00	1.0499E 00	1.0029E 00	1.0505E 00	9.9684E-01	1.0509E 00	9.9076E-01
100.00	1.0492E 00	1.0188E 00	1.0500E 00	1.0145E 00	1.0506E 00	1.0101E 00	1.0510E 00	1.0055E 00
150.00	1.0493E 00	1.0289E 00	1.0501E 00	1.0263E 00	1.0507E 00	1.0235E 00	1.0512E 00	1.0206E 00
200.00	1.0493E 00	1.0340E 00	1.0502E 00	1.0323E 00	1.0506E 00	1.0303E 00	1.0512E 00	1.0282E 00
300.00	1.0494E 00	1.0391E 00	1.0502E 00	1.0383E 00	1.0508E 00	1.0372E 00	1.0513E 00	1.0359E 00
400.00	1.0494E 00	1.0417E 00	1.0503E 00	1.0413E 00	1.0509E 00	1.0406E 00	1.0513E 00	1.0398E 00
500.00	1.0494E 00	1.0433E 00	1.0503E 00	1.0431E 00	1.0509E 00	1.0427E 00	1.0513E 00	1.0421E 00
750.00	1.0494E 00	1.0453E 00	1.0503E 00	1.0455E 00	1.0509E 00	1.0454E 00	1.0514E 00	1.0452E 00
1000.00	1.0495E 00	1.0464E 00	1.0503E 00	1.0467E 00	1.0509E 00	1.0468E 00	1.0514E 00	1.0467E 00
2000.00	1.0495E 00	1.0479E 00	1.0503E 00	1.0485E 00	1.0509E 00	1.0489E 00	1.0514E 00	1.0491E 00
3000.00	1.0495E 00	1.0484E 00	1.0503E 00	1.0491E 00	1.0510E 00	1.0496E 00	1.0514E 00	1.0499E 00
4000.00	1.0495E 00	1.0487E 00	1.0503E 00	1.0494E 00	1.0510E 00	1.0499E 00	1.0514E 00	1.0502E 00
5000.00	1.0495E 00	1.0489E 00	1.0503E 00	1.0496E 00	1.0510E 00	1.0501E 00	1.0514E 00	1.0505E 00
6000.00	1.0495E 00	1.0490E 00	1.0503E 00	1.0497E 00	1.0510E 00	1.0503E 00	1.0514E 00	1.0506E 00
7000.00	1.0495E 00	1.0490E 00	1.0503E 00	1.0498E 00	1.0510E 00	1.0504E 00	1.0514E 00	1.0508E 00
8000.00	1.0495E 00	1.0491E 00	1.0503E 00	1.0499E 00	1.0510E 00	1.0504E 00	1.0514E 00	1.0508E 00
9000.00	1.0495E 00	1.0491E 00	1.0503E 00	1.0499E 00	1.0510E 00	1.0505E 00	1.0514E 00	1.0509E 00
10000.00	1.0495E 00	1.0492E 00	1.0503E 00	1.0500E 00	1.0510E 00	1.0505E 00	1.0514E 00	1.0510E 00
INF	1.0495E 00	1.0495E 00	1.0503E 00	1.0503E 00	1.0510E 00	1.0510E 00	1.0514E 00	1.0514E 00

OMEGA = 0.10

TAU = 5.000				TAU = 7.500				TAU = 10.00				TAU = 15.00			
<i>z</i>	<i>x</i>	<i>y</i>		<i>x</i>	<i>y</i>			<i>x</i>	<i>y</i>			<i>x</i>	<i>y</i>		
0.01	1.0017E 00	5.8716E-06		1.0017E 00	2.1897E-06			1.0017E 00	1.1147E-06			1.0017E 00	4.4467E-07		
0.05	1.0059E 00	3.0081E-05		1.0059E 00	1.1138E-05			1.0059E 00	5.6495E-06			1.0059E 00	2.2463E-06		
0.10	1.0096E 00	6.1984E-05		1.0096E 00	2.2733E-05			1.0096E 00	1.1765E-06			1.0096E 00	4.5431E-06		
0.20	1.0147E 00	1.3188E-04		1.0147E 00	4.7335E-05			1.0147E 00	2.3648E-05			1.0147E 00	9.2758E-06		
0.30	1.0184E 00	2.1177E-04		1.0184E 00	7.4029E-05			1.0184E 00	3.6546E-05			1.0184E 00	1.4191E-05		
0.40	1.0213E 00	3.0896E-04		1.0213E 00	1.0322E-04			1.0213E 00	5.0245E-05			1.0213E 00	1.9294E-05		
0.50	1.0237E 00	4.6681E-04		1.0237E 00	1.3585E-04			1.0237E 00	6.4960E-05			1.0237E 00	2.4595E-05		
0.60	1.0257E 00	8.0507E-04		1.0257E 00	1.7591E-04			1.0257E 00	8.0613E-05			1.0257E 00	3.0108E-05		
0.80	1.0289E 00	2.9225E-03		1.0289E 00	3.5218E-04			1.0289E 00	1.2026E-04			1.0289E 00	4.1859E-05		
1.00	1.0313E 00	8.3797E-03		1.0313E 00	9.6763E-04			1.0313E 00	2.0877E-04			1.0313E 00	5.5090E-05		
1.50	1.0356E 00	3.9793E-02		1.0356E 00	7.9109E-03			1.0356E 00	1.6733E-03			1.0356E 00	1.4373E-04		
2.00	1.0383E 00	8.9308E-02		1.0384E 00	2.6067E-02			1.0384E 00	7.6893E-03			1.0384E 00	7.4272E-04		
3.00	1.0418E 00	2.0226E-01		1.0419E 00	8.8493E-02			1.0419E 00	3.8721E-02			1.0419E 00	7.4709E-03		
4.00	1.0438E 00	3.0503E-01		1.0440E 00	1.6393E-01			1.0440E 00	8.8039E-02			1.0441E 00	2.5414E-02		
5.00	1.0451E 00	3.9051E-01		1.0454E 00	2.3756E-01			1.0455E 00	1.4440E-01			1.0455E 00	5.3337E-02		
7.50	1.0471E 00	5.4304E-01		1.0475E 00	3.8992E-01			1.0476E 00	2.7973E-01			1.0477E 00	1.4387E-01		
10.00	1.0482E 00	6.4058E-01		1.0487E 00	4.9970E-01			1.0489E 00	3.8952E-01			1.0490E 00	2.3654E-01		
15.00	1.0493E 00	7.5564E-01		1.0499E 00	6.4049E-01			1.0502E 00	5.4254E-01			1.0503E 00	3.8905E-01		
20.00	1.0499E 00	8.2074E-01		1.0506E 00	7.2517E-01			1.0508E 00	6.4034E-01			1.0511E 00	4.9902E-01		
30.00	1.0505E 00	8.9146E-01		1.0513E 00	8.2108E-01			1.0516E 00	7.5582E-01			1.0518E 00	6.4012E-01		
50.00	1.0510E 00	9.5241E-01		1.0518E 00	9.0688E-01			1.0522E 00	8.6305E-01			1.0525E 00	7.8127E-01		
75.00	1.0513E 00	9.8444E-01		1.0521E 00	9.5309E-01			1.0525E 00	9.2224E-01			1.0528E 00	8.6312E-01		
100.00	1.0514E 00	1.0009E-00		1.0523E 00	9.7707E-01			1.0526E 00	9.5335E-01			1.0530E 00	9.0722E-01		
150.00	1.0515E 00	1.0175E-00		1.0524E 00	1.0017E 00			1.0528E 00	9.8551E-01			1.0531E 00	9.5357E-01		
200.00	1.0516E 00	1.0260E-00		1.0525E 00	1.0142E 00			1.0529E 00	1.0020E 00			1.0532E 00	9.7762E-01		
300.00	1.0516E 00	1.0345E 00		1.0526E 00	1.0269E 00			1.0530E 00	1.0188E 00			1.0533E 00	1.0023E 00		
400.00	1.0517E 00	1.0388E 00		1.0526E 00	1.0333E 00			1.0530E 00	1.0272E 00			1.0534E 00	1.0148E 00		
500.00	1.0517E 00	1.0414E 00		1.0526E 00	1.0371E 00			1.0530E 00	1.0324E 00			1.0534E 00	1.0225E 00		
750.00	1.0517E 00	1.0448E 00		1.0527E 00	1.0423E 00			1.0531E 00	1.0392E 00			1.0534E 00	1.0327E 00		
1000.00	1.0517E 00	1.0466E 00		1.0527E 00	1.0449E 00			1.0531E 00	1.0427E 00			1.0534E 00	1.0379E 00		
2000.00	1.0518E 00	1.0492E 00		1.0527E 00	1.0488E 00			1.0531E 00	1.0479E 00			1.0535E 00	1.0456E 00		
3000.00	1.0518E 00	1.0500E 00		1.0527E 00	1.0501E 00			1.0531E 00	1.0496E 00			1.0535E 00	1.0483E 00		
4000.00	1.0518E 00	1.0505E 00		1.0527E 00	1.0508E 00			1.0531E 00	1.0505E 00			1.0535E 00	1.0496E 00		
5000.00	1.0518E 00	1.0507E 00		1.0527E 00	1.0511E 00			1.0531E 00	1.0510E 00			1.0535E 00	1.0503E 00		
6000.00	1.0518E 00	1.0509E 00		1.0527E 00	1.0514E 00			1.0531E 00	1.0514E 00			1.0535E 00	1.0509E 00		
7000.00	1.0518E 00	1.0510E 00		1.0527E 00	1.0516E 00			1.0531E 00	1.0516E 00			1.0535E 00	1.0512E 00		
8000.00	1.0518E 00	1.0511E 00		1.0527E 00	1.0517E 00			1.0531E 00	1.0518E 00			1.0535E 00	1.0515E 00		
9000.00	1.0518E 00	1.0512E 00		1.0527E 00	1.0518E 00			1.0531E 00	1.0520E 00			1.0535E 00	1.0517E 00		
10000.00	1.0518E 00	1.0512E 00		1.0527E 00	1.0519E 00			1.0531E 00	1.0521E 00			1.0535E 00	1.0519E 00		
INF	1.0518E 00	1.0518E 00		1.0527E 00	1.0527E 00			1.0531E 00	1.0531E 00			1.0535E 00	1.0535E 00		
TAU = 20.00				TAU = 25.00				TAU = 30.00				TAU = 40.00			
<i>z</i>	<i>x</i>	<i>y</i>		<i>x</i>	<i>y</i>			<i>x</i>	<i>y</i>			<i>x</i>	<i>y</i>		
0.01	1.0017E 00	2.3695E-07		1.0017E 00	1.46429E-07			1.0017E 00	9.6947E-08			1.0017E 00	5.2805E-08		
0.05	1.0059E 00	1.1836E-06		1.0059E 00	7.2627E-07			1.0059E 00	4.8822E-07			1.0059E 00	2.6631E-07		
0.10	1.0096E 00	2.3915E-06		1.0096E 00	1.4644E-06			1.0096E 00	9.8352E-07			1.0096E 00	5.3576E-07		
0.20	1.0147E 00	4.8642E-06		1.0147E 00	2.9703E-06			1.0147E 00	1.9917E-06			1.0147E 00	1.0824E-06		
0.30	1.0184E 00	7.4096E-06		1.0184E 00	4.5129E-06			1.0184E 00	3.0210E-06			1.0184E 00	1.6380E-06		
0.40	1.0213E 00	1.0027E-05		1.0213E 00	6.9090E-06			1.0213E 00	4.0704E-06			1.0213E 00	2.2018E-06		
0.50	1.0237E 00	1.2718E-05		1.0237E 00	7.7040E-06			1.0237E 00	5.1393E-06			1.0237E 00	2.7734E-06		
0.60	1.0257E 00	1.5484E-05		1.0257E 00	9.3528E-06			1.0257E 00	6.2279E-06			1.0257E 00	3.3526E-06		
0.80	1.0289E 00	2.1261E-05		1.0289E 00	1.2761E-05			1.0289E 00	8.6464E-06			1.0289E 00	4.5336E-06		
1.00	1.0313E 00	2.7398E-05		1.0313E 00	1.6327E-05			1.0313E 00	1.0785E-05			1.0313E 00	5.7453E-06		
1.50	1.0356E 00	4.6526E-05		1.0356E 00	2.6113E-05			1.0356E 00	1.6991E-05			1.0356E 00	8.9162E-06		
2.00	1.0384E 00	8.1534E-04		1.0384E 00	4.1344E-04			1.0384E 00	2.4231E-05			1.0384E 00	1.2316E-05		
3.00	1.0419E 00	1.4861E-03		1.0419E 00	8.2431E-04			1.0419E 00	8.9612E-05			1.0419E 00	2.1746E-05		
4.00	1.0441E 00	7.3713E-03		1.0441E 00	2.1640E-03			1.0441E 00	6.5374E-04			1.0441E 00	7.7968E-05		
5.00	1.0455E 00	1.9723E-02		1.0455E 00	7.3139E-03			1.0455E 00	2.7284E-03			1.0455E 00	3.9850E-04		
7.50	1.0477E 00	7.3986E-02		1.0477E 00	3.8054E-02			1.0477E 00	1.9582E-02			1.0477E 00	5.2003E-03		
10.00	1.0490E 00	1.4360E-01		1.0490E 00	8.7170E-02			1.0490E 00	5.2919E-02			1.0490E 00	1.9513E-02		
15.00	1.0504E 00	2.7891E-01		1.0504E 00	1.9993E-01			1.0504E 00	1.4313E-01			1.0504E 00	7.3629E-02		
20.00	1.0511E 00	3.8878E-01		1.0512E 00	3.0287E-01			1.0512E 00	2.3593E-01			1.0512E 00	1.4316E-01		
30.00	1.0519E 00	5.4202E-01		1.0520E 00	3.5889E-01			1.0520E 00	3.8850E-01			1.0520E 00	2.7843E-01		
50.00	1.0526E 00	7.0708E-01		1.0526E 00	6.3988E-01			1.0527E 00	5.7905E-01			1.0527E 00	4.7415E-01		
75.00	1.0529E 00	8.0762E-01		1.0530E 00	7.5536E-01			1.0531E 00	6.1786E-01			1.0531E 00	6.1786E-01		
100.00	1.0531E 00	8.6314E-01		1.0532E 00	8.2113E-01			1.0532E 00	7.8115E-01			1.0533E 00	7.0688E-01		
150.00	1.0533E 00	9.2247E-01		1.0534E 00	8.9232E-01			1.0534E 00	8.6313E-01			1.0535E 00	8.0754E-01		
200.00	1.0534E 00	9.5365E-01		1.0535E 00	9.3020E-01			1.0535E 00	9.0729E-01			1.0536E 00	8.6312E-01		
300.00	1.0535E 00	9.8589E-01		1.0536E 00	9.6969E-01			1.0536E 00	9.5372E-01			1.0537E 00	9.2253E-01		
400.00	1.0536E 00	1.0024E 00		1.0537E 00	1.0450E 00			1.0538E 00	1.0382E 00			1.0539E 00	1.0331E 00		
500.00	1.0536E 00	1.0125E 00		1.0537E 00	1.0025E 00			1.0538E 00	1.0460E 00			1.0539E 00	1.0400E 00		
500.00	1.0537E 00	1.0495E 00		1.0537E 00	1.04										

OMEGA = 0.10		TAU = 50.00		TAU = 75.00		TAU = 100.0		TAU = 200.0	
Z	X	X	Y	X	Y	X	Y	X	Y
0.01	1.0017E 00	3.4568E-08		1.0017E 00	1.7567E-08	1.0017E 00	1.0150E-08	1.0017E 00	1.4096E-09
0.05	1.0059E 00	1.7382E-07		1.0059E 00	8.7279E-08	1.0059E 00	5.0908E-08	1.0059E 00	6.1778E-09
0.10	1.0096E 00	3.4952E-07		1.0096E 00	1.7560E-07	1.0096E 00	1.0231E-07	1.0096E 00	1.2607E-08
0.20	1.0147E 00	7.0517E-07		1.0147E 00	3.5396E-07	1.0147E 00	2.0612E-07	1.0147E 00	2.5537E-08
0.30	1.0184E 00	1.0656E-06		1.0184E 00	5.3419E-07	1.0184E 00	3.1097E-07	1.0184E 00	3.8589E-08
0.40	1.0213E 00	1.4301E-06		1.0213E 00	7.1599E-07	1.0213E 00	4.1670E-07	1.0213E 00	5.1747E-08
0.50	1.0237E 00	1.7955E-06		1.0237E 00	8.9918E-07	1.0237E 00	5.2321E-07	1.0237E 00	6.5000E-08
0.60	1.0257E 00	2.1707E-06		1.0257E 00	1.0837E-06	1.0257E 00	6.3041E-07	1.0257E 00	7.8393E-08
0.80	1.0289E 00	2.9257E-06		1.0289E 00	1.4562E-06	1.0289E 00	8.4677E-07	1.0289E 00	1.0526E-07
1.00	1.0313E 00	3.6949E-06		1.0313E 00	1.8333E-06	1.0313E 00	1.0656E-06	1.0313E 00	1.3247E-07
1.50	1.0356E 00	5.6612E-06		1.0356E 00	2.7948E-06	1.0356E 00	1.6224E-06	1.0356E 00	2.0174E-07
2.00	1.0384E 00	7.7643E-06		1.0384E 00	3.7828E-06	1.0384E 00	2.1931E-06	1.0384E 00	2.7268E-07
3.00	1.0419E 00	1.2341E-05		1.0419E 00	5.8416E-06	1.0419E 00	3.3754E-06	1.0419E 00	4.1957E-07
4.00	1.0441E 00	2.1414E-05		1.0441E 00	8.0311E-06	1.0441E 00	4.6150E-06	1.0441E 00	5.7334E-07
5.00	1.0455E 00	7.1888E-05		1.0455E 00	1.0681E-05	1.0455E 00	5.9184E-06	1.0455E 00	7.3438E-07
7.50	1.0477E 00	1.3943E-03		1.0477E 00	6.5365E-05	1.0477E 00	1.1213E-05	1.0477E 00	1.1720E-06
10.00	1.0490E 00	7.2055E-03		1.0490E 00	6.1200E-04	1.0490E 00	6.1831E-05	1.0490E 00	1.6696E-06
15.00	1.0504E 00	3.7834E-02		1.0504E 00	7.1743E-03	1.0504E 00	1.3709E-03	1.0504E 00	4.5988E-06
20.00	1.0512E 00	8.6864E-02		1.0512E 00	2.4921E-02	1.0512E 00	7.1589E-03	1.0512E 00	5.2525E-05
30.00	1.0520E 00	1.9954E-01		1.0520E 00	8.6763E-02	1.0520E 00	3.7730E-02	1.0520E 00	1.3535E-03
50.00	1.0527E 00	3.8824E-01		1.0528E 00	2.3553E-01	1.0528E 00	1.4288E-01	1.0528E 00	1.9351E-02
75.00	1.0531E 00	5.4158E-01		1.0532E 00	3.8811E-01	1.0532E 00	2.7812E-01	1.0532E 00	7.3332E-02
100.00	1.0533E 00	6.3966E-01		1.0534E 00	4.9822E-01	1.0534E 00	3.8805E-01	1.0534E 00	1.4278E-01
150.00	1.0535E 00	7.5550E-01		1.0536E 00	6.3957E-01	1.0536E 00	5.4142E-01	1.0536E 00	2.7800E-01
200.00	1.0536E 00	8.2107E-01		1.0537E 00	7.2465E-01	1.0537E 00	6.3953E-01	1.0537E 00	3.8793E-01
300.00	1.0537E 00	8.9233E-01		1.0538E 00	8.2104E-01	1.0538E 00	7.5543E-01	1.0538E 00	5.4132E-01
400.00	1.0538E 00	9.3024E-01		1.0538E 00	8.7395E-01	1.0538E 00	8.2103E-01	1.0538E 00	6.3946E-01
500.00	1.0538E 00	9.5376E-01		1.0539E 00	9.0731E-01	1.0539E 00	8.6309E-01	1.0539E 00	7.0688E-01
750.00	1.0539E 00	9.8605E-01		1.0539E 00	9.5379E-01	1.0539E 00	9.2255E-01	1.0540E 00	8.0743E-01
1000.00	1.0539E 00	1.0026E 00		1.0539E 00	9.7791E-01	1.0540E 00	9.5380E-01	1.0540E 00	8.6308E-01
2000.00	1.0539E 00	1.0280E 00		1.0540E 00	1.0152E 00	1.0540E 00	1.0027E 00	1.0540E 00	9.5381E-01
3000.00	1.0539E 00	1.0365E 00		1.0540E 00	1.0280E 00	1.0540E 00	1.0195E 00	1.0541E 00	9.8613E-01
4000.00	1.0539E 00	1.0409E 00		1.0540E 00	1.0344E 00	1.0540E 00	1.0280E 00	1.0541E 00	1.0027E 00
5000.00	1.0539E 00	1.0435E 00		1.0540E 00	1.0383E 00	1.0540E 00	1.0332E 00	1.0541E 00	1.0128E 00
6000.00	1.0539E 00	1.0452E 00		1.0540E 00	1.0409E 00	1.0540E 00	1.0366E 00	1.0541E 00	1.0195E 00
7000.00	1.0539E 00	1.0464E 00		1.0540E 00	1.0428E 00	1.0540E 00	1.0391E 00	1.0541E 00	1.0244E 00
8000.00	1.0539E 00	1.0474E 00		1.0540E 00	1.0442E 00	1.0540E 00	1.0410E 00	1.0541E 00	1.0281E 00
9000.00	1.0539E 00	1.0481E 00		1.0540E 00	1.0453E 00	1.0540E 00	1.0424E 00	1.0541E 00	1.0309E 00
10000.00	1.0539E 00	1.0487E 00		1.0540E 00	1.0461E 00	1.0540E 00	1.0436E 00	1.0541E 00	1.0332E 00
INF	1.0539E 00	1.0539E 00		1.0540E 00	1.0540E 00	1.0540E 00	1.0540E 00	1.0541E 00	1.0541E 00
TAU = 223.9									
Z	X	X	Y	X	Y	X	Y	X	Y
0.01	1.0017E 00	7.64601E-10							
0.05	1.0059E 00	3.8571E-09							
0.10	1.0096E 00	7.7455E-09							
0.20	1.0147E 00	1.5601E-08							
0.30	1.0184E 00	2.3535E-08							
0.40	1.0213E 00	3.1535E-08							
0.50	1.0237E 00	3.9596E-08							
0.60	1.0257E 00	4.7703E-08							
0.80	1.0289E 00	6.4072E-08							
1.00	1.0313E 00	8.0618E-08							
1.50	1.0356E 00	1.2273E-07							
2.00	1.0384E 00	1.6587E-07							
3.00	1.0419E 00	2.5519E-07							
4.00	1.0441E 00	3.4869E-07							
5.00	1.0455E 00	4.4661E-07							
7.50	1.0477E 00	7.1273E-07							
10.00	1.0490E 00	1.0142E-06							
15.00	1.0504E 00	2.1019E-06							
20.00	1.0512E 00	1.7281E-05							
30.00	1.0520E 00	6.1179E-04							
50.00	1.0528E 00	1.1999E-02							
75.00	1.0532E 00	5.3320E-02							
100.00	1.0534E 00	1.1242E-01							
150.00	1.0536E 00	2.3705E-01							
200.00	1.0537E 00	3.4423E-01							
300.00	1.0538E 00	4.9987E-01							
400.00	1.0539E 00	6.0236E-01							
500.00	1.0539E 00	6.7369E-01							
750.00	1.0540E 00	7.8211E-01							
1000.00	1.0540E 00	8.4269E-01							
2000.00	1.0540E 00	9.4248E-01							
3000.00	1.0541E 00	9.7831E-01							
4000.00	1.0541E 00	9.9672E-01							
5000.00	1.0541E 00	1.0079E 00							
6000.00	1.0541E 00	1.0155E 00							
7000.00	1.0541E 00	1.0209E 00							
8000.00	1.0541E 00	1.0250E 00							
9000.00	1.0541E 00	1.0282E 00							
10000.00	1.0541E 00	1.0308E 00							
INF	1.0541E 00	1.0541E 00							

OMEGA = 0.20

L	TAU = 0.050		TAU = 0.100		TAU = 0.200		TAU = 0.300	
	X	Y	X	Y	X	Y	X	Y
0.01	1.0034E 00	8.8457E-03	1.0034E 00	1.6084E-03	1.0034E 00	1.1086E-03	1.0034E 00	8.5949E-04
0.05	1.0090E 00	3.7518E-01	1.0100E 00	1.4348E-01	1.0110E 00	2.4447E-02	1.0120E 00	7.3149E-03
0.10	1.0168E 00	2.1646E-01	1.0150E 00	3.8064E-01	1.0161E 00	1.4791E-01	1.0191E 00	6.0199E-02
0.20	1.0120E 00	7.9039E-01	1.0179E 00	6.2304E-01	1.0242E 00	3.8787E-01	1.0272E 00	2.4281E-01
0.30	1.0124E 00	8.5861E-01	1.0191E 00	7.3461E-01	1.0271E 00	5.3723E-01	1.0319E 00	3.9316E-01
0.40	1.0126E 00	8.9491E-01	1.0197E 00	7.9774E-01	1.0287E 00	6.3261E-01	1.0341E 00	5.0126E-01
0.50	1.0127E 00	9.1742E-01	1.0201E 00	8.3821E-01	1.0298E 00	6.9789E-01	1.0358E 00	5.8020E-01
0.60	1.0128E 00	9.3275E-01	1.0204E 00	8.6633E-01	1.0305E 00	7.4516E-01	1.0371E 00	6.3974E-01
0.80	1.0130E 00	9.5226E-01	1.0207E 00	9.0282E-01	1.0315E 00	8.0883E-01	1.0388E 00	7.2297E-01
1.00	1.0130E 00	9.6417E-01	1.0209E 00	9.2545E-01	1.0321E 00	8.4964E-01	1.0398E 00	7.7809E-01
1.50	1.0131E 00	9.8028E-01	1.0212E 00	9.5652E-01	1.0330E 00	9.0731E-01	1.0413E 00	8.5827E-01
2.00	1.0132E 00	9.8843E-01	1.0214E 00	9.7244E-01	1.0334E 00	9.3761E-01	1.0421E 00	9.0144E-01
3.00	1.0132E 00	9.9666E-01	1.0215E 00	9.8863E-01	1.0339E 00	9.6893E-01	1.0429E 00	9.4468E-01
4.00	1.0132E 00	1.0008E 00	1.0216E 00	9.9683E-01	1.0341E 00	9.8498E-01	1.0433E 00	9.7036E-01
5.00	1.0133E 00	1.0033E 00	1.0217E 00	1.0018E 00	1.0342E 00	9.9474E-01	1.0436E 00	9.8477E-01
7.50	1.0133E 00	1.0066E 00	1.0217E 00	1.0094E 00	1.0344E 00	1.0079E 00	1.0439E 00	1.0043E 00
10.00	1.0133E 00	1.0083E 00	1.0217E 00	1.0118E 00	1.0345E 00	1.0146E 00	1.0441E 00	1.0142E 00
15.00	1.0133E 00	1.0100E 00	1.0218E 00	1.0151E 00	1.0346E 00	1.0213E 00	1.0443E 00	1.0243E 00
20.00	1.0133E 00	1.0106E 00	1.0218E 00	1.0168E 00	1.0346E 00	1.0246E 00	1.0443E 00	1.0293E 00
30.00	1.0133E 00	1.0116E 00	1.0218E 00	1.0185E 00	1.0347E 00	1.0280E 00	1.0444E 00	1.0344E 00
50.00	1.0133E 00	1.0123E 00	1.0218E 00	1.0198E 00	1.0347E 00	1.0307E 00	1.0445E 00	1.0385E 00
75.00	1.0133E 00	1.0126E 00	1.0218E 00	1.0205E 00	1.0347E 00	1.0321E 00	1.0445E 00	1.0405E 00
100.00	1.0133E 00	1.0128E 00	1.0218E 00	1.0208E 00	1.0347E 00	1.0327E 00	1.0446E 00	1.0415E 00
150.00	1.0133E 00	1.0130E 00	1.0218E 00	1.0212E 00	1.0348E 00	1.0334E 00	1.0446E 00	1.0426E 00
200.00	1.0133E 00	1.0131E 00	1.0218E 00	1.0213E 00	1.0348E 00	1.0338E 00	1.0446E 00	1.0431E 00
300.00	1.0133E 00	1.0131E 00	1.0218E 00	1.0215E 00	1.0348E 00	1.0341E 00	1.0446E 00	1.0436E 00
400.00	1.0133E 00	1.0132E 00	1.0218E 00	1.0216E 00	1.0348E 00	1.0343E 00	1.0446E 00	1.0438E 00
500.00	1.0133E 00	1.0132E 00	1.0218E 00	1.0216E 00	1.0348E 00	1.0344E 00	1.0446E 00	1.0440E 00
750.00	1.0133E 00	1.0132E 00	1.0218E 00	1.0217E 00	1.0348E 00	1.0345E 00	1.0446E 00	1.0442E 00
1000.00	1.0133E 00	1.0133E 00	1.0218E 00	1.0217E 00	1.0348E 00	1.0346E 00	1.0446E 00	1.0443E 00
2000.00	1.0133E 00	1.0133E 00	1.0218E 00	1.0218E 00	1.0348E 00	1.0347E 00	1.0446E 00	1.0445E 00
3000.00	1.0133E 00	1.0133E 00	1.0218E 00	1.0218E 00	1.0348E 00	1.0347E 00	1.0446E 00	1.0445E 00
4000.00	1.0133E 00	1.0133E 00	1.0218E 00	1.0218E 00	1.0348E 00	1.0347E 00	1.0446E 00	1.0445E 00
5000.00	1.0133E 00	1.0133E 00	1.0218E 00	1.0218E 00	1.0348E 00	1.0347E 00	1.0446E 00	1.0445E 00
6000.00	1.0133E 00	1.0133E 00	1.0218E 00	1.0218E 00	1.0348E 00	1.0347E 00	1.0446E 00	1.0444E 00
7000.00	1.0133E 00	1.0133E 00	1.0218E 00	1.0218E 00	1.0348E 00	1.0347E 00	1.0446E 00	1.0446E 00
8000.00	1.0133E 00	1.0133E 00	1.0218E 00	1.0218E 00	1.0348E 00	1.0347E 00	1.0446E 00	1.0446E 00
10000.00	1.0133E 00	1.0133E 00	1.0218E 00	1.0218E 00	1.0348E 00	1.0348E 00	1.0446E 00	1.0446E 00
INF	1.0133E 00	1.0133E 00	1.0218E 00	1.0218E 00	1.0348E 00	1.0348E 00	1.0446E 00	1.0446E 00

L	TAU = 0.400		TAU = 0.500		TAU = 0.600		TAU = 0.800	
	X	Y	X	Y	X	Y	X	Y
0.01	1.0034E 00	6.9842E-04	1.0034E 00	5.6846E-04	1.0034E 00	4.9609E-04	1.0034E 00	3.7119E-04
0.05	1.0121E 00	4.1903E-03	1.0121E 00	3.2241E-03	1.0121E 00	2.6864E-03	1.0121E 00	1.9895E-03
0.10	1.0194E 00	2.6997E-02	1.0195E 00	1.3897E-02	1.0196E 00	8.4646E-03	1.0196E 00	4.6972E-03
0.20	1.0286E 00	1.5333E-01	1.0294E 00	9.8020E-02	1.0298E 00	6.3697E-02	1.0302E 00	2.8794E-02
0.30	1.0340E 00	2.8833E-01	1.0356E 00	2.1205E-01	1.0366E 00	1.5657E-01	1.0376E 00	8.6666E-02
0.40	1.0375E 00	3.9728E-01	1.0397E 00	3.1512E-01	1.0412E 00	2.5025E-01	1.0429E 00	1.5862E-01
0.50	1.0399E 00	4.8211E-01	1.0426E 00	4.0060E-01	1.0446E 00	3.3294E-01	1.0469E 00	2.3039E-01
0.60	1.0416E 00	5.4874E-01	1.0448E 00	4.7049E-01	1.0471E 00	4.0333E-01	1.0500E 00	2.9646E-01
0.80	1.0440E 00	6.4545E-01	1.0478E 00	5.7569E-01	1.0506E 00	5.1324E-01	1.0545E 00	4.0752E-01
1.00	1.0455E 00	7.1153E-01	1.0497E 00	6.5003E-01	1.0530E 00	5.9345E-01	1.0576E 00	4.9390E-01
1.50	1.0476E 00	8.1054E-01	1.0526E 00	7.6464E-01	1.0565E 00	7.2067E-01	1.0622E 00	6.3905E-01
2.00	1.0488E 00	8.6518E-01	1.0541E 00	8.2938E-01	1.0584E 00	7.9436E-01	1.0648E 00	7.2727E-01
3.00	1.0500E 00	9.2354E-01	1.0557E 00	8.9973E-01	1.0604E 00	8.7572E-01	1.0676E 00	8.2791E-01
4.00	1.0506E 00	9.5421E-01	1.0565E 00	9.3714E-01	1.0614E 00	9.1952E-01	1.0690E 00	8.8342E-01
5.00	1.0510E 00	9.7310E-01	1.0570E 00	9.6034E-01	1.0620E 00	9.4686E-01	1.0699E 00	9.1853E-01
7.50	1.0515E 00	9.9888E-01	1.0577E 00	9.9219E-01	1.0629E 00	9.8460E-01	1.0712E 00	9.6756E-01
10.00	1.0517E 00	1.0120E 00	1.0581E 00	1.0085E 00	1.0634E 00	1.0040E 00	1.0718E 00	9.9306E-01
15.00	1.0520E 00	1.0253E 00	1.0584E 00	1.0251E 00	1.0638E 00	1.0239E 00	1.0724E 00	1.0192E 00
20.00	1.0521E 00	1.0321E 00	1.0586E 00	1.0335E 00	1.0640E 00	1.0339E 00	1.0727E 00	1.0326E 00
30.00	1.0523E 00	1.0388E 00	1.0588E 00	1.0420E 00	1.0643E 00	1.0441E 00	1.0731E 00	1.0461E 00
50.00	1.0524E 00	1.0443E 00	1.0589E 00	1.0468E 00	1.0644E 00	1.0523E 00	1.0733E 00	1.0571E 00
75.00	1.0524E 00	1.0470E 00	1.0590E 00	1.0522E 00	1.0645E 00	1.0564E 00	1.0735E 00	1.0626E 00
100.00	1.0524E 00	1.0484E 00	1.0590E 00	1.0539E 00	1.0646E 00	1.0585E 00	1.0735E 00	1.0654E 00
150.00	1.0525E 00	1.0498E 00	1.0590E 00	1.0557E 00	1.0646E 00	1.0606E 00	1.0736E 00	1.0682E 00
200.00	1.0525E 00	1.0505E 00	1.0591E 00	1.0565E 00	1.0646E 00	1.0616E 00	1.0736E 00	1.0695E 00
300.00	1.0525E 00	1.0511E 00	1.0591E 00	1.0574E 00	1.0647E 00	1.0626E 00	1.0737E 00	1.0709E 00
400.00	1.0525E 00	1.0515E 00	1.0591E 00	1.0578E 00	1.0647E 00	1.0632E 00	1.0737E 00	1.0716E 00
500.00	1.0525E 00	1.0517E 00	1.0591E 00	1.0581E 00	1.0647E 00	1.0635E 00	1.0737E 00	1.0721E 00
750.00	1.0525E 00	1.0520E 00	1.0591E 00	1.0584E 00	1.0647E 00	1.0639E 00	1.0737E 00	1.0726E 00
1000.00	1.0525E 00	1.0521E 00	1.0591E 00	1.0586E 00	1.0647E 00	1.0641E 00	1.0737E 00	1.0729E 00
2000.00	1.0525E 00	1.0523E 00	1.0591E 00	1.0589E 00	1.0647E 00	1.0644E 00	1.0737E 00	1.0733E 00
3000.00	1.0525E 00	1.0524E 00	1.0591E 00	1.0590E 00	1.0647E 00	1.0645E 00	1.0737E 00	1.0735E 00
4000.00	1.0525E 00	1.0524E 00	1.0591E 00	1.0590E 00	1.0647E 00	1.0646E 00	1.0737E 00	1.0735E 00
5000.00	1.0525E 00	1.0524E 00	1.0591E 00	1.0590E 00	1.0647E 00	1.0646E 00	1.0737E 00	1.0736E 00
6000.00	1.0525E 00	1.0525E 00	1.0591E 00	1.0590E 00	1.0647E 00	1.0646E 00	1.0737E 00	1.0736E 00
7000.00	1.0525E 00	1.0525E 00	1.0591E 00	1.0590E 00	1.0647E 00	1.0646E 00	1.0737E 00	1.0736E 00
8000.00	1.0525E 00	1.0525E 00	1.0591E 00	1.0591E 00	1.0647E 00	1.0646E 00	1.0737E 00	1.0736E 00
9000.00	1.0525E 00	1.0525E 00	1.0591E 00	1.0591E 00	1.0647E 00	1.0646E 00	1.0737E 00	1.0736E 00
10000.00	1.0525E 00	1.0525E 00	1.0591E 00	1.0591E 00	1.0647E 00	1.0646E 00	1.0737E 00	1.0736E 00
INF	1.0525E 00	1.0525E 00	1.0591E 00	1.0591E 00	1.0647E 00	1.0646E 00	1.0737E 00	1.0737E 00

OMEGA = 0.20								
	TAU = 1.000		TAU = 1.500		TAU = 2.000		TAU = 2.500	
Z	X	Y	X	Y	X	Y	X	Y
0.01	1.0034E 00	2.8659E-04	1.0034E 00	1.6370E-04	1.0034E 00	1.0127E-04	1.0034E 00	6.6214E-05
0.05	1.0121E 00	1.5234E-03	1.0121E 00	8.6200E-04	1.0121E 00	5.3028E-04	1.0121E 00	3.4525E-04
0.10	1.0196E 00	3.3534E-03	1.0197E 00	1.8426E-03	1.0197E 00	1.1236E-03	1.0197E 00	7.2716E-04
0.20	1.0304E 00	1.4687E-02	1.0304E 00	4.8466E-03	1.0305E 00	2.5989E-03	1.0305E 00	1.6288E-03
0.30	1.0380E 00	4.9291E-02	1.0383E 00	1.4334E-02	1.0384E 00	5.7308E-03	1.0384E 00	3.0203E-03
0.40	1.0437E 00	1.0142E-01	1.0444E 00	3.5092E-02	1.0446E 00	1.3676E-02	1.0446E 00	6.2361E-03
0.50	1.0482E 00	1.5993E-01	1.0493E 00	6.5622E-02	1.0496E 00	2.8210E-02	1.0497E 00	1.2979E-02
0.60	1.0517E 00	2.1812E-01	1.0534E 00	1.0216E-01	1.0538E 00	4.8813E-02	1.0540E 00	2.4033E-02
0.80	1.0569E 00	3.2334E-01	1.0596E 00	1.8127E-01	1.0605E 00	1.0193E-01	1.0608E 00	5.7693E-02
1.00	1.0605E 00	4.1051E-01	1.0641E 00	2.5774E-01	1.0654E 00	1.6157E-01	1.0660E 00	1.0134E-01
1.50	1.0661E 00	5.6565E-01	1.0714E 00	4.1491E-01	1.0737E 00	3.0204E-01	1.0748E 00	2.2008E-01
2.00	1.0693E 00	6.6456E-01	1.0757E 00	5.2762E-01	1.0787E 00	2.1693E-01	1.0803E 00	3.2855E-01
3.00	1.0727E 00	7.8115E-01	1.0806E 00	6.7178E-01	1.0846E 00	5.7497E-01	1.0867E 00	4.9074E-01
4.00	1.0746E 00	8.4704E-01	1.0832E 00	7.5833E-01	1.0878E 00	6.7570E-01	1.0904E 00	6.0044E-01
5.00	1.0757E 00	8.8927E-01	1.0849E 00	8.1561E-01	1.0899E 00	7.4457E-01	1.0928E 00	6.7792E-01
7.50	1.0773E 00	9.4890E-01	1.0873E 00	8.9890E-01	1.0929E 00	8.4764E-01	1.0962E 00	7.9726E-01
10.00	1.0781E 00	9.8023E-01	1.0885E 00	9.4379E-01	1.0944E 00	9.0448E-01	1.0980E 00	8.6470E-01
15.00	1.0789E 00	1.0124E 00	1.0897E 00	9.9082E-01	1.0960E 00	9.6519E-01	1.0998E 00	9.3793E-01
20.00	1.0794E 00	1.0292E 00	1.0903E 00	1.0153E 00	1.0968E 00	9.9708E-01	1.1008E 00	9.7688E-01
30.00	1.0798E 00	1.0461E 00	1.0910E 00	1.0403E 00	1.0976E 00	1.0300E 00	1.1018E 00	1.0174E 00
50.00	1.0801E 00	1.0598E 00	1.0915E 00	1.0608E 00	1.0983E 00	1.0572E 00	1.1025E 00	1.0511E 00
75.00	1.0803E 00	1.0667E 00	1.0918E 00	1.0712E 00	1.0986E 00	1.0710E 00	1.1029E 00	1.0684E 00
100.00	1.0804E 00	1.0702E 00	1.0919E 00	1.0764E 00	1.0988E 00	1.0780E 00	1.1031E 00	1.0771E 00
150.00	1.0805E 00	1.0736E 00	1.0921E 00	1.0817E 00	1.0989E 00	1.0851E 00	1.1034E 00	1.0859E 00
200.00	1.0805E 00	1.0754E 00	1.0921E 00	1.0843E 00	1.0990E 00	1.0886E 00	1.1035E 00	1.0904E 00
300.00	1.0806E 00	1.0771E 00	1.0922E 00	1.0870E 00	1.0991E 00	1.0922E 00	1.1036E 00	1.0948E 00
400.00	1.0806E 00	1.0780E 00	1.0923E 00	1.0883E 00	1.0992E 00	1.0939E 00	1.1036E 00	1.0970E 00
500.00	1.0806E 00	1.0785E 00	1.0922E 00	1.0891E 00	1.0992E 00	1.0950E 00	1.1036E 00	1.0984E 00
750.00	1.0806E 00	1.0792E 00	1.0922E 00	1.0902E 00	1.0992E 00	1.0964E 00	1.1037E 00	1.1002E 00
1000.00	1.0806E 00	1.0796E 00	1.0923E 00	1.0907E 00	1.0992E 00	1.0971E 00	1.1037E 00	1.1011E 00
2000.00	1.0806E 00	1.0801E 00	1.0923E 00	1.0915E 00	1.0993E 00	1.0982E 00	1.1037E 00	1.1024E 00
3000.00	1.0806E 00	1.0803E 00	1.0923E 00	1.0918E 00	1.0993E 00	1.0986E 00	1.1037E 00	1.1029E 00
4000.00	1.0806E 00	1.0804E 00	1.0923E 00	1.0919E 00	1.0993E 00	1.0988E 00	1.1037E 00	1.1031E 00
5000.00	1.0806E 00	1.0804E 00	1.0923E 00	1.0920E 00	1.0993E 00	1.0989E 00	1.1037E 00	1.1032E 00
6000.00	1.0806E 00	1.0805E 00	1.0923E 00	1.0920E 00	1.0993E 00	1.0989E 00	1.1038E 00	1.1033E 00
7000.00	1.0806E 00	1.0805E 00	1.0923E 00	1.0921E 00	1.0993E 00	1.0990E 00	1.1038E 00	1.1034E 00
8000.00	1.0806E 00	1.0805E 00	1.0923E 00	1.0921F 00	1.0993E 00	1.0990E 00	1.1038E 00	1.1034E 00
9000.00	1.0806E 00	1.0805E 00	1.0923E 00	1.0921E 00	1.0993E 00	1.0991E 00	1.1038E 00	1.1035E 00
10000.00	1.0806E 00	1.0805E 00	1.0923E 00	1.0921E 00	1.0993E 00	1.0991E 00	1.1038E 00	1.1035E 00
INF	1.0806E 00	1.0806E 00	1.0923E 00	1.0923E 00	1.0993E 00	1.0993E 00	1.1038E 00	1.1036E 00
TAU = 3.000							TAU = 4.000	
Z	X	Y	X	Y	X	Y	X	Y
0.01	1.0034E 00	4.5244E-05	1.0034E 00	3.2091E-05	1.0034E 00	2.3520E-05	1.0034E 00	1.7744E-05
0.05	1.0121E 00	2.3509E-04	1.0121E 00	1.6627E-04	1.0121E 00	1.2154E-04	1.0121E 00	9.1483E-05
0.10	1.0197E 00	4.9274E-04	1.0197E 00	3.4709E-04	1.0197E 00	2.5283E-04	1.0197E 00	1.8973E-04
0.20	1.0305E 00	1.0880E-03	1.0305E 00	7.5862E-04	1.0305E 00	5.4799E-04	1.0305E 00	4.0824E-04
0.30	1.0384E 00	1.8730E-03	1.0384E 00	1.2658E-03	1.0384E 00	8.9956E-04	1.0384E 00	6.6303E-04
0.40	1.0446E 00	3.3430E-03	1.0446E 00	2.0456E-03	1.0446E 00	1.3731E-03	1.0446E 00	9.8045E-04
0.50	1.0497E 00	6.5198E-03	1.0498E 00	3.6173E-03	1.0498E 00	2.2120E-03	1.0498E 00	1.4707E-03
0.60	1.0540E 00	1.2335E-02	1.0541E 00	6.6806E-03	1.0541E 00	3.8571E-03	1.0541E 00	2.3870E-03
0.80	1.0609E 00	3.2979E-02	1.0610E 00	1.9117E-02	1.0610E 00	1.1290E-02	1.0610E 00	6.8310E-03
1.00	1.0662E 00	6.3709E-02	1.0663E 00	4.0204E-02	1.0663E 00	2.5514E-02	1.0664E 00	1.6315E-02
1.50	1.0753E 00	1.6067E-01	1.0755E 00	1.1683E-01	1.0757E 00	8.4950E-02	1.0758E 00	6.1789E-02
2.00	1.0811E 00	2.5845E-01	1.0815E 00	2.0308E-01	1.0817E 00	1.5945E-01	1.0819E 00	1.2515E-01
3.00	1.0880E 00	4.1811E-01	1.0887E 00	3.5580E-01	1.0891E 00	3.0254E-01	1.0894E 00	2.5711E-01
4.00	1.0920E 00	5.3266E-01	1.0929E 00	4.7200E-01	1.0935E 00	4.1794E-01	1.0939E 00	3.6987E-01
5.00	1.0945E 00	6.1622E-01	1.0957E 00	5.5954E-01	1.0964E 00	5.0771E-01	1.0969E 00	4.6045E-01
7.50	1.0983E 00	7.4871E-01	1.0996E 00	7.0243E-01	1.1006E 00	6.5858E-01	1.1012E 00	6.1718E-01
10.00	1.1003E 00	8.2543E-01	1.1018E 00	7.8720E-01	1.1028E 00	7.5027E-01	1.1036E 00	7.1477E-01
15.00	1.1023E 00	9.1011E-01	1.1040E 00	8.8232E-01	1.1052E 00	8.5498E-01	1.1061E 00	8.2795E-01
20.00	1.1034E 00	9.5569E-01	1.1052E 00	9.3416E-01	1.1064E 00	9.1258E-01	1.1074E 00	8.9116E-01
30.00	1.1045E 00	1.0036E 00	1.1064E 00	9.8907E-01	1.1077E 00	9.7421E-01	1.1087E 00	9.5922E-01
50.00	1.1054E 00	1.0436E 00	1.1074E 00	1.0353E 00	1.1088E 00	1.0265E 00	1.1098E 00	1.0174E 00
75.00	1.1058E 00	1.0643E 00	1.1078E 00	1.0593E 00	1.1093E 00	1.0537E 00	1.1104E 00	1.0479E 00
100.00	1.1061E 00	1.0747E 00	1.1081E 00	1.0715E 00	1.1096E 00	1.0676E 00	1.1106E 00	1.0634E 00
150.00	1.1063E 00	1.0853E 00	1.1083E 00	1.0838E 00	1.1098E 00	1.0817E 00	1.1109E 00	1.0792E 00
200.00	1.1064E 00	1.0906E 00	1.1095E 00	1.0909E 00	1.1100E 00	1.0888E 00	1.1111E 00	1.0872E 00
300.00	1.1065E 00	1.0906E 00	1.1086E 00	1.0962E 00	1.1101E 00	1.0959E 00	1.1112E 00	1.0952E 00
400.00	1.1066E 00	1.0987E 00	1.1087E 00	1.0994E 00	1.1102E 00	1.0995E 00	1.1113E 00	1.0993E 00
500.00	1.1066E 00	1.1003E 00	1.1087E 00	1.1013E 00	1.1102E 00	1.1017E 00	1.1113E 00	1.1017E 00
750.00	1.1067E 00	1.1024E 00	1.1088E 00	1.1038E 00	1.1103E 00	1.1046E 00	1.1114E 00	1.1050E 00
1000.00	1.1067E 00	1.1035E 00	1.1098E 00	1.1051E 00	1.1103E 00	1.1060E 00	1.1114E 00	1.1066E 00
2000.00	1.1067E 00	1.1051E 00	1.1088E 00	1.1070E 00	1.1103E 00	1.1082E 00	1.1114E 00	1.1090E 00
3000.00	1.1067E 00	1.1057E 00	1.1088E 00	1.1076E 00	1.1103E 00	1.1089E 00	1.1115E 00	1.1099E 00
4000.00	1.1067E 00	1.1059E 00	1.1088E 00	1.1079E 00	1.1103E 00	1.1093E 00	1.1115E 00	1.1103E 00
5000.00	1.1067E 00	1.1061E 00	1.1088E 00	1.1081E 00	1.1103E 00	1.1095E 00	1.1115E 00	1.1105E 00
6000.00	1.1067E 00	1.1062E 00	1.1088E 00	1.1082E 00	1.1104E 00	1.1096E 00	1.1115E 00	1.1107E 00
7000.00	1.1067E 00	1.1063E 00	1.1088E 00	1.1083E 00	1.1104E 00	1.1097E 00	1.1115E 00	1.1108E 00
8000.00	1.1068E 00	1.1064E 00	1.1088E 00	1.1084E 00	1.1104E 00	1.1098E 00	1.1115E 00	1.1109E 00
9000.00	1.1068E 00	1.1064E 00	1.1088E 00	1.1084E 00	1.1104E 00	1.1099E 00	1.1115E 00	1.1109E 00
10000.00	1.1068E 00	1.1064E 00	1.1088E 00	1.1085E 00	1.1104E 00	1.1099E 00	1.1115E 00	1.1110E 00
INF	1.1068E 00	1.1068E 00	1.1088E 00	1.1089E 00	1.1104E 00	1.1104E 00	1.1115E 00	1.1115E 00
TAU = 4.000							TAU = 4.500	
Z	X	Y	X	Y	X	Y	X	Y
0.01	1.0034E 00	4.5244E-05	1.0034E 00	3.2091E-05	1.0034E 00	2.3520E-05	1.0034E 00	1.7744E-05
0.05	1.0121E 00	2.3509E-04	1.0121E 00	1.6627E-04	1.0121E 00	1.2154E-04	1.0121E 00	9.1483E-05
0.10	1.0197E 00	4.9274E-04	1.0197E 00	3.4709E-04	1.0197E 00	2.5283E-04	1.0197E 00	1.8973

OMEGA = 0.20

TAU = 5.000				TAU = 7.500				TAU = 10.00				TAU = 15.00			
<i>z</i>	<i>x</i>	<i>y</i>		<i>x</i>	<i>y</i>			<i>x</i>	<i>y</i>			<i>x</i>	<i>y</i>		
0.01	1.0034E 00	1.3727E-05		1.0034E 00	5.1056E-06			1.0034E 00	2.5872E-06			1.0034E 00	1.0255E-06		
0.05	1.0121E 00	7.0675E-05		1.0121E 00	2.6088E-05			1.0121E 00	1.3141E-05			1.0121E 00	5.1792E-06		
0.10	1.0197E 00	1.4616E-04		1.0197E 00	5.3456E-05			1.0197E 00	2.6805E-05			1.0197E 00	1.0521E-05		
0.20	1.0305E 00	3.1254E-04		1.0305E 00	1.1195E-04			1.0305E 00	5.5557E-05			1.0305E 00	2.1605E-05		
0.30	1.0384E 00	5.0344E-04		1.0384E 00	1.7583E-04			1.0384E 00	8.6229E-05			1.0384E 00	3.3192E-05		
0.40	1.0446E 00	7.3079E-04		1.0446E 00	2.4599E-04			1.0446E 00	1.1894E-04			1.0446E 00	4.5277E-05		
0.50	1.0498E 00	1.0442E-03		1.0498E 00	3.2423E-04			1.0498E 00	1.5401E-04			1.0498E 00	5.7874E-05		
0.60	1.0541E 00	1.5816E-03		1.0541E 00	4.1602E-04			1.0541E 00	1.9182E-04			1.0541E 00	7.1012E-05		
0.80	1.0610E 00	4.2593E-03		1.0610E 00	7.2321E-04			1.0610E 00	2.6221E-04			1.0610E 00	9.4092E-05		
1.00	1.0664E 00	1.0539E-02		1.0664E 00	1.5397E-03			1.0664E 00	4.3633E-04			1.0664E 00	1.3042E-04		
1.50	1.0758E 00	4.4977E-02		1.0758E 00	9.4523E-03			1.0758E 00	2.2162E-03			1.0758E 00	2.7972E-04		
2.00	1.0820E 00	9.8201E-02		1.0821E 00	2.9301E-02			1.0821E 00	8.9151E-03			1.0821E 00	1.0002E-03		
3.00	1.0896E 00	2.1841E-01		1.0899E 00	9.6363E-02			1.0899E 00	4.2517E-02			1.0899E 00	8.4092E-03		
4.00	1.0942E 00	3.2720E-01		1.0947E 00	1.7675E-01			1.0948E 00	9.5319E-02			1.0949E 00	2.7769E-02		
5.00	1.0972E 00	4.1744E-01		1.0979E 00	2.5492E-01			1.0981E 00	1.5538E-01			1.0982E 00	5.7681E-02		
7.50	1.1017E 00	5.7820E-01		1.1027E 00	4.1621E-01			1.1031E 00	2.9906E-01			1.1033E 00	1.5416E-01		
10.00	1.1041E 00	6.8074E-01		1.1054E 00	5.3217E-01			1.1058E 00	4.1532E-01			1.1061E 00	2.5258E-01		
15.00	1.1067E 00	8.0165E-01		1.1083E 00	6.8069E-01			1.1088E 00	5.7710E-01			1.1092E 00	4.1426E-01		
20.00	1.1080E 00	8.7000E-01		1.1098E 00	7.6993E-01			1.1104E 00	6.8040E-01			1.1109E 00	5.3067E-01		
30.00	1.1094E 00	9.4422E-01		1.1113E 00	8.7094E-01			1.1121E 00	8.0226E-01			1.1127E 00	6.7992E-01		
50.00	1.1106E 00	1.0082E 00		1.1126E 00	9.6125E-01			1.1135E 00	9.1535E-01			1.1142E 00	8.2909E-01		
75.00	1.1112E 00	1.0418E 00		1.1133E 00	1.0099E 00			1.1142E 00	9.7776E-01			1.1150E 00	9.1557E-01		
100.00	1.1115E 00	1.0590E 00		1.1136E 00	1.0351E 00			1.1146E 00	1.0106E 00			1.1154E 00	9.6214E-01		
150.00	1.1118E 00	1.0765E 00		1.1140E 00	1.0610E 00			1.1149E 00	1.0444E 00			1.1158E 00	1.0111E 00		
200.00	1.1119E 00	1.0853E 00		1.1142E 00	1.0742E 00			1.1151E 00	1.0618E 00			1.1160E 00	1.0365E 00		
300.00	1.1121E 00	1.0943E 00		1.1143E 00	1.0875E 00			1.1153E 00	1.0795E 00			1.1162E 00	1.0625E 00		
400.00	1.1121E 00	1.0988E 00		1.1144E 00	1.0942E 00			1.1154E 00	1.0884E 00			1.1163E 00	1.0758E 00		
500.00	1.1122E 00	1.1015E 00		1.1145E 00	1.0983E 00			1.1155E 00	1.0938E 00			1.1163E 00	1.0838E 00		
750.00	1.1122E 00	1.1051E 00		1.1145E 00	1.1037E 00			1.1155E 00	1.1011E 00			1.1164E 00	1.0946E 00		
1000.00	1.1123E 00	1.1069E 00		1.1146E 00	1.1065E 00			1.1156E 00	1.1047E 00			1.1165E 00	1.1001E 00		
2000.00	1.1123E 00	1.1096E 00		1.1146E 00	1.1106E 00			1.1156E 00	1.1102E 00			1.1165E 00	1.1083E 00		
3000.00	1.1123E 00	1.1105E 00		1.1146E 00	1.1119E 00			1.1156E 00	1.1202E 00			1.1165E 00	1.1111E 00		
4000.00	1.1123E 00	1.1110E 00		1.1147E 00	1.1126E 00			1.1157E 00	1.1219E 00			1.1166E 00	1.1124E 00		
5000.00	1.1123E 00	1.1113E 00		1.1147E 00	1.1130E 00			1.1157E 00	1.1135E 00			1.1166E 00	1.1133E 00		
6000.00	1.1123E 00	1.1114E 00		1.1147E 00	1.1133E 00			1.1157E 00	1.1138E 00			1.1166E 00	1.1138E 00		
7000.00	1.1123E 00	1.1114E 00		1.1147E 00	1.1135E 00			1.1157E 00	1.1141E 00			1.1166E 00	1.1142E 00		
8000.00	1.1123E 00	1.1117E 00		1.1147E 00	1.1134E 00			1.1157E 00	1.1143E 00			1.1166E 00	1.1145E 00		
9000.00	1.1123E 00	1.1117E 00		1.1147E 00	1.1138E 00			1.1157E 00	1.1145E 00			1.1166E 00	1.1147E 00		
10000.00	1.1123E 00	1.1118E 00		1.1147E 00	1.1139E 00			1.1157E 00	1.1146E 00			1.1166E 00	1.1149E 00		
INF	1.1124E 00	1.1124E 00		1.1147E 00	1.1147E 00			1.1157E 00	1.1157E 00			1.1166E 00	1.1166E 00		

TAU = 20.00				TAU = 25.00				TAU = 30.00				TAU = 40.00			
<i>z</i>	<i>x</i>	<i>y</i>		<i>x</i>	<i>y</i>			<i>x</i>	<i>y</i>			<i>x</i>	<i>y</i>		
0.01	1.0034E 00	5.6342E-07		1.0034E 00	3.2639E-07			1.0034E 00	2.2074E-07			1.0034E 00	1.1924E-07		
0.05	1.0121E 00	2.6958E-06		1.0121E 00	1.6672E-06			1.0121E 00	1.1166E-06			1.0121E 00	6.0813E-07		
0.10	1.0197E 00	5.4968E-06		1.0197E 00	3.6332E-06			1.0197E 00	2.2580E-06			1.0197E 00	1.2271E-06		
0.20	1.0305E 00	1.1263E-05		1.0305E 00	6.8724E-06			1.0305E 00	4.5977E-06			1.0305E 00	2.4924E-06		
0.30	1.0384E 00	1.7236E-05		1.0384E 00	1.0481E-05			1.0384E 00	7.0020E-06			1.0384E 00	3.7865E-06		
0.40	1.0446E 00	2.3406E-05		1.0446E 00	1.4191E-05			1.0446E 00	9.4640E-06			1.0446E 00	5.1058E-06		
0.50	1.0498E 00	2.9711E-05		1.0498E 00	1.8000E-05			1.0498E 00	1.1981E-05			1.0498E 00	6.4482E-06		
0.60	1.0541E 00	3.6332E-05		1.0541E 00	2.1893E-05			1.0541E 00	1.4550E-05			1.0541E 00	7.8111E-06		
0.80	1.0610E 00	5.0074E-05		1.0610E 00	2.9981E-05			1.0610E 00	1.9846E-05			1.0610E 00	1.0600E-05		
1.00	1.0664E 00	6.4718E-05		1.0664E 00	3.8458E-05			1.0664E 00	2.5356E-05			1.0664E 00	1.3469E-05		
1.50	1.0759E 00	1.0837E-04		1.0759E 00	6.1751E-05			1.0759E 00	4.0143E-05			1.0759E 00	2.1005E-05		
2.00	1.0821E 00	2.1164E-04		1.0821E 00	9.3077E-05			1.0821E 00	5.7025E-05			1.0821E 00	2.9107E-05		
3.00	1.0900E 00	1.7679E-03		1.0900E 00	4.3729E-05			1.0900E 00	1.5019E-04			1.0900E 00	4.9379E-05		
4.00	1.0949E 00	8.1720E-03		1.0949E 00	2.4658E-03			1.0949E 00	7.8697E-04			1.0949E 00	1.2243E-04		
5.00	1.0982E 00	2.1463E-02		1.0982E 00	8.0353E-03			1.0982E 00	3.0461E-03			1.0982E 00	4.8190E-04		
7.50	1.1033E 00	7.9435E-02		1.1033E 00	4.0947E-02			1.1033E 00	2.1129E-02			1.1033E 00	5.6617E-03		
10.00	1.1062E 00	1.5351E-01		1.1062E 00	9.3289E-02			1.1062E 00	5.6697E-02			1.1062E 00	2.0965E-02		
15.00	1.1094E 00	2.9717E-01		1.1094E 00	2.1313E-01			1.1094E 00	1.5284E-01			1.1095E 00	7.8596E-02		
20.00	1.1111E 00	4.1356E-01		1.1112E 00	3.2235E-01			1.1112E 00	2.5118E-01			1.1113E 00	1.5249E-01		
30.00	1.1129E 00	5.7591E-01		1.1131E 00	4.8771E-01			1.1131E 00	4.1298E-01			1.1132E 00	2.9606E-01		
50.00	1.1145E 00	7.5059E-01		1.1146E 00	6.7938E-01			1.1147E 00	6.1487E-01			1.1148E 00	5.0357E-01		
75.00	1.1153E 00	8.5692E-01		1.1155E 00	8.0188E-01			1.1156E 00	7.5031E-01			1.1157E 00	6.5682E-01		
100.00	1.1157E 00	9.1562E-01		1.1159E 00	8.7119E-01			1.1160E 00	8.2885E-01			1.1162E 00	7.5014E-01		
150.00	1.1161E 00	9.7834E-01		1.1163E 00	9.4650E-01			1.1165E 00	9.1562E-01			1.1166E 00	8.5674E-01		
200.00	1.1164E 00	1.0113E 00		1.1166E 00	9.8656E-01			1.1167E 00	9.6235E-01			1.1168E 00	9.1560E-01		
300.00	1.1166E 00	1.0454E 00		1.1168E 00	1.0283E 00			1.1169E 00	1.0115E 00			1.1171E 00	9.		

OMEGA = 0.20

TAU = 50.00			TAU = 75.00			TAU = 100.0			TAU = 200.0		
z	x	y	x	y	x	y	x	y	x	y	
0.01	1.0034E 00	7.8329E-08	1.0034E 00	3.9354E-08	1.0034E 00	2.3014E-08	1.0034E 00	2.8680E-09	1.0034E 00	1.4687E-08	
0.05	1.0121E 00	3.9563E-07	1.0121E 00	1.9864E-07	1.0121E 00	1.1554E-07	1.0121E 00	1.0197E 00	1.0121E 00	2.7223E-08	
0.10	1.0197E 00	7.9859E-07	1.0197E 00	4.0070E-07	1.0197E 00	2.3318E-07	1.0197E 00	1.0197E 00	1.0197E 00	2.4719E-07	
0.20	1.0305E 00	1.6200E-06	1.0305E 00	8.1177E-07	1.0305E 00	4.7241E-07	1.0305E 00	5.9793E-08	1.0305E 00	8.8510E-08	
0.30	1.0384E 00	2.4578E-06	1.0384E 00	1.2298E-06	1.0384E 00	7.1561E-07	1.0384E 00	1.0384E 00	1.0384E 00	1.2059E-07	
0.40	1.0446E 00	3.3091E-06	1.0446E 00	1.6535E-06	1.0446E 00	9.6195E-07	1.0446E 00	1.0446E 00	1.0446E 00	6.3398E-07	
0.50	1.0498E 00	4.1723E-06	1.0498E 00	2.0818E-06	1.0498E 00	1.2109E-06	1.0498E 00	1.0498E 00	1.0498E 00	1.8008E-07	
0.60	1.0541E 00	5.0466E-06	1.0541E 00	2.5143E-06	1.0541E 00	1.4622E-06	1.0541E 00	1.0541E 00	1.0541E 00	2.4719E-07	
0.80	1.0610E 00	6.8258E-06	1.0610E 00	3.3903E-06	1.0610E 00	1.0709E-06	1.0610E 00	1.0610E 00	1.0610E 00	1.7409E-07	
1.00	1.0664E 00	8.6439E-06	1.0664E 00	4.2195E-06	1.0664E 00	2.4867E-06	1.0664E 00	1.0664E 00	1.0664E 00	2.9324E-07	
1.50	1.0759E 00	1.3355E-05	1.0759E 00	6.5547E-06	1.0759E 00	3.8043E-06	1.0759E 00	4.7348E-07	1.0759E 00	1.0759E 00	
2.00	1.0821E 00	1.8310E-05	1.0821E 00	8.8926E-06	1.0821E 00	5.1582E-06	1.0821E 00	6.3398E-07	1.0821E 00	1.0821E 00	
3.00	1.0900E 00	2.9146E-05	1.0900E 00	1.3798E-05	1.0900E 00	7.9703E-06	1.0900E 00	9.9040E-07	1.0900E 00	1.0900E 00	
4.00	1.0949E 00	4.5688E-05	1.0949E 00	1.9006E-05	1.0949E 00	1.0923E-05	1.0949E 00	1.0949E 00	1.0949E 00	1.3559E-06	
5.00	1.0982E 00	1.0793E-04	1.0982E 00	2.4491E-05	1.0982E 00	1.4029E-05	1.0982E 00	1.0982E 00	1.0982E 00	1.7409E-06	
7.50	1.1033E 00	1.5484E-03	1.1033E 00	9.2396E-05	1.1033E 00	2.4440E-05	1.1033E 00	2.7867E-06	1.1033E 00	1.1033E 00	
10.00	1.1062E 00	7.7777E-03	1.1062E 00	6.8733E-04	1.1062E 00	8.4017E-05	1.1062E 00	3.9724E-06	1.1062E 00	1.1062E 00	
15.00	1.1095E 00	4.0428E-02	1.1095E 00	7.7036E-03	1.1095E 00	1.4929E-03	1.1095E 00	8.7076E-06	1.1095E 00	1.1095E 00	
20.00	1.1113E 00	9.2570E-02	1.1113E 00	2.6603E-02	1.1113E 00	7.6671E-03	1.1113E 00	6.1900E-05	1.1113E 00	1.1113E 00	
30.00	1.1132E 00	2.1223E-01	1.1132E 00	9.2332E-02	1.1132E 00	4.0182E-02	1.1132E 00	1.4519E-03	1.1132E 00	1.1132E 00	
50.00	1.1149E 00	4.1239E-01	1.1149E 00	2.5024E-01	1.1149E 00	1.5184E-01	1.1149E 00	2.0583E-02	1.1149E 00	1.1149E 00	
75.00	1.1158E 00	5.7493E-01	1.1158E 00	4.1208E-01	1.1158E 00	2.9534E-01	1.1158E 00	7.7898E-02	1.1158E 00	1.1158E 00	
100.00	1.1162E 00	6.7884E-01	1.1163E 00	5.2883E-01	1.1163E 00	4.1193E-01	1.1164E 00	1.5160E-01	1.1164E 00	1.1164E 00	
150.00	1.1167E 00	8.0159E-01	1.1168E 00	6.7867E-01	1.1168E 00	5.7456E-01	1.1169E 00	2.9506E-01	1.1169E 00	1.1169E 00	
200.00	1.1169E 00	8.7105E-01	1.1170E 00	7.6884E-01	1.1171E 00	6.7858E-01	1.1172E 00	4.1165E-01	1.1172E 00	1.1172E 00	
300.00	1.1172E 00	9.4652E-01	1.1173E 00	8.7096E-01	1.1174E 00	8.0143E-01	1.1174E 00	5.7434E-01	1.1174E 00	1.1174E 00	
400.00	1.1173E 00	9.8668E-01	1.1174E 00	9.2705E-01	1.1175E 00	8.7096E-01	1.1176E 00	6.7840E-01	1.1176E 00	1.1176E 00	
500.00	1.1174E 00	1.0116E 00	1.1175E 00	9.6240E-01	1.1176E 00	9.1555E-01	1.1177E 00	7.4968E-01	1.1178E 00	8.5651E-01	
750.00	1.1175E 00	1.0458E 00	1.1176E 00	1.0116E 00	1.1177E 00	9.7856E-01	1.1178E 00	1.0742E 00	1.1180E 00	1.0866E 00	
1000.00	1.1175E 00	1.0633E 00	1.1177E 00	1.0372E 00	1.1177E 00	1.0117E 00	1.1178E 00	9.1551E-01	1.1180E 00	1.1180E 00	
2000.00	1.1176E 00	1.0902E 00	1.1177E 00	1.0768E 00	1.1178E 00	1.0635E 00	1.1179E 00	1.0117E 00	1.1180E 00	1.0460E 00	
3000.00	1.1176E 00	1.0922E 00	1.1178E 00	1.0903E 00	1.1179E 00	1.0813E 00	1.1180E 00	1.0635E 00	1.1180E 00	1.0742E 00	
4000.00	1.1176E 00	1.1038E 00	1.1178E 00	1.0971E 00	1.1179E 00	1.0904E 00	1.1180E 00	1.0958E 00	1.1180E 00	1.0814E 00	
5000.00	1.1176E 00	1.1066E 00	1.1178E 00	1.1012E 00	1.1179E 00	1.0958E 00	1.1180E 00	1.0959E 00	1.1180E 00	1.1180E 00	
6000.00	1.1176E 00	1.1084E 00	1.1178E 00	1.1040E 00	1.1179E 00	1.0995E 00	1.1180E 00	1.0995E 00	1.1180E 00	1.1180E 00	
7000.00	1.1177E 00	1.1097E 00	1.1178E 00	1.1059E 00	1.1179E 00	1.1021E 00	1.1180E 00	1.0866E 00	1.1180E 00	1.1180E 00	
8000.00	1.1177E 00	1.1107E 00	1.1178E 00	1.1074E 00	1.1179E 00	1.1040E 00	1.1180E 00	1.0904E 00	1.1180E 00	1.1180E 00	
9000.00	1.1177E 00	1.1115E 00	1.1178E 00	1.1086E 00	1.1179E 00	1.1056E 00	1.1180E 00	1.0935E 00	1.1180E 00	1.1180E 00	
10000.00	1.1177E 00	1.1121E 00	1.1178E 00	1.1095E 00	1.1179E 00	1.1068E 00	1.1180E 00	1.0959E 00	1.1180E 00	1.1180E 00	
INF	1.1177E 00	1.1177E 00	1.1178E 00	1.1178E 00	1.1179E 00	1.1179E 00	1.1180E 00	1.1180E 00	1.1180E 00	1.1180E 00	

TAU = 226.9

z	x	y	x	y	x	y	x	y	x	y
0.01	1.0034E 00	1.8138E-09	1.1178E 00	1.0930E 00	1.1179E 00	1.0831E 00	1.1180E 00	1.0732E 00	1.1180E 00	1.0634E 00
0.05	1.0121E 00	8.0429E-09	1.1178E 00	1.0930E 00	1.1179E 00	1.0831E 00	1.1180E 00	1.0732E 00	1.1180E 00	1.0634E 00
0.10	1.0197E 00	1.6443E-08	1.1178E 00	1.0930E 00	1.1179E 00	1.0831E 00	1.1180E 00	1.0732E 00	1.1180E 00	1.0634E 00
0.20	1.0305E 00	3.3519E-08	1.1178E 00	1.0930E 00	1.1179E 00	1.0831E 00	1.1180E 00	1.0732E 00	1.1180E 00	1.0634E 00
0.30	1.0384E 00	5.0849E-08	1.1178E 00	1.0930E 00	1.1179E 00	1.0831E 00	1.1180E 00	1.0732E 00	1.1180E 00	1.0634E 00
0.40	1.0446E 00	6.8399E-08	1.1178E 00	1.0930E 00	1.1179E 00	1.0831E 00	1.1180E 00	1.0732E 00	1.1180E 00	1.0634E 00
0.50	1.0498E 00	9.6136E-08	1.1178E 00	1.0930E 00	1.1179E 00	1.0831E 00	1.1180E 00	1.0732E 00	1.1180E 00	1.0634E 00
0.60	1.0541E 00	1.0604E-07	1.1178E 00	1.0930E 00	1.1179E 00	1.0831E 00	1.1180E 00	1.0732E 00	1.1180E 00	1.0634E 00
0.80	1.0610E 00	1.4026E-07	1.1178E 00	1.0930E 00	1.1179E 00	1.0831E 00	1.1180E 00	1.0732E 00	1.1180E 00	1.0634E 00
1.00	1.0664E 00	1.7700E-07	1.1178E 00	1.0930E 00	1.1179E 00	1.0831E 00	1.1180E 00	1.0732E 00	1.1180E 00	1.0634E 00
1.50	1.0759E 00	2.7081E-07	1.1178E 00	3.6718E-07	1.1178E 00	2.4399E-07	1.1178E 00	7.7690E-07	1.1178E 00	1.9673E-07
2.00	1.0821E 00	4.3718E-07	1.1178E 00	5.6718E-07	1.1178E 00	4.2399E-07	1.1178E 00	9.9673E-07	1.1178E 00	1.1178E 00
3.00	1.0900E 00	9.5618E-07	1.1178E 00	1.7690E-07	1.1178E 00	1.9526E-07	1.1178E 00	5.9707E-04	1.1178E 00	1.1178E 00
4.00	1.0949E 00	1.7690E-07	1.1178E 00	2.6239E-07	1.1178E 00	3.5993E-01	1.1178E 00	8.9822E-01	1.1178E 00	1.1178E 00
5.00	1.0982E 00	9.9673E-07	1.1178E 00	1.0930E 00	1.1178E 00	1.0766E 00	1.1178E 00	1.0766E 00	1.1178E 00	1.1178E 00
1000.00	1.1177E 00	1.1177E 00	1.1178E 00	1.1178E 00	1.1179E 00	1.1179E 00	1.1180E 00	1.1180E 00	1.1180E 00	1.1180E 00
2000.00	1.1177E 00	1.1177E 00	1.1178E 00	1.1178E 00	1.1179E 00	1.1179E 00	1.1180E 00	1.1180E 00	1.1180E 00	1.1180E 00
3000.00	1.1177E 00	1.1178E 00	1.1178E 00	1.1178E 00	1.1179E 00	1.1179E 00	1.1180E 00	1.1180E 00	1.1180E 00	1.1180E 00
4000.00	1.1177E 00	1.1178E 00	1.1178E 00	1.1178E 00	1.1179E 00	1.1179E 00	1.1180E 00	1.1180E 00	1.1180E 00	1.1180E 00
5000.00	1.1177E 00	1.1178E 00	1.1178E 00	1.1178E 00	1.1179E 00	1.1179E 00	1.1180E 00	1.1180E 00	1.1180E 00	1.1180E 00
6000.00	1.1177E 00	1.1178E 00	1.1178E 00	1.1178E 00	1.1179E 00	1.1179E 00	1.1180E 00	1.1180E 00	1.1180E 00	1.1180E 00
7000.00	1.1178E 00	1.0824E 00	1.1178E 00	1.0868E 00	1.1178E 00	1.0654E 00	1.1178E 00	1.0685E 00	1.1178E 00	1.0930E 00
8000.00	1.1178E 00	1.0868E 00	1.1178E 00	1.0902E 00	1.1178E 00	1.0730E 00	1.1178E 00	1.0930E 00	1.1178E 00	1.1178E 00
9000.00	1.1178E 00	1.0902E 00	1.1178E 00	1.0930E 00	1.1178E 00	1.0866E 00	1.1178E 00	1.0930E 00	1.1178E 00	1.1178E 00
10000.00	1.1178E 00	1.0930E 00	1.1178E 00	1.1178E 00	1.1179E 00	1.1179E 00	1.1180E 00	1.1180E 00	1.1180E 00	1.1180E 00
INF	1.1178E 00	1.1178E 00	1.1178E 00	1.1178E 00	1.1179E 00	1.1179E 00	1.1180E 00	1.1180E 00	1.1180E 00	1.1180E 00

OMEGA = 0.30

	TAU = 0.050			TAU = 0.100			TAU = 0.200			TAU = 0.300		
Z	X	Y	X	Y	X	Y	X	Y	X	Y	Z	
0.01	1.0051E 00	9.9277E-03	1.0051E 00	2.4265E-03	1.0052E 00	1.7075E-03	1.0052E 00	1.3364E-03				
0.05	1.0135E 00	3.7983E-01	1.0167E 00	1.4773E-01	1.0181E 00	2.8058E-02	1.0184E 00	9.9974E-03				
0.10	1.0163E 00	6.2187E-01	1.0227E 00	3.8729E-01	1.0277E 00	1.5465E-01	1.0292E 00	6.6214E-02				
0.20	1.0181E 00	7.9632E-01	1.0272E 00	6.3162E-01	1.0370E 00	3.9855E-01	1.0418E 00	2.5358E-01				
0.30	1.0187E 00	8.6482E-01	1.0290E 00	7.4400E-01	1.0414E 00	5.4992E-01	1.0484E 00	4.0695E-01				
0.40	1.0191E 00	9.0126E-01	1.0299E 00	8.0757E-01	1.0440E 00	6.4650E-01	1.0525E 00	5.1700E-01				
0.50	1.0193E 00	9.2386E-01	1.0305E 00	8.4832E-01	1.0456E 00	7.1258E-01	1.0552E 00	5.9728E-01				
0.60	1.0194E 00	9.3924E-01	1.0310E 00	8.7663E-01	1.0468E 00	7.6041E-01	1.0571E 00	6.5780E-01				
0.80	1.0196E 00	9.5884E-01	1.0315E 00	9.1337E-01	1.0483E 00	8.2482E-01	1.0597E 00	7.4235E-01				
1.00	1.0197E 00	9.7079E-01	1.0318E 00	9.3615E-01	1.0492E 00	8.6609E-01	1.0614E 00	7.9833E-01				
1.50	1.0198E 00	9.8696E-01	1.0323E 00	9.6741E-01	1.0505E 00	9.2441E-01	1.0637E 00	8.7972E-01				
2.00	1.0199E 00	9.9515E-01	1.0325E 00	9.8346E-01	1.0512E 00	9.5504E-01	1.0649E 00	9.2354E-01				
3.00	1.0200E 00	1.0034E 00	1.0327E 00	9.9975E-01	1.0519E 00	9.8671E-01	1.0662E 00	9.9598E-01				
4.00	1.0200E 00	1.0076E 00	1.0328E 00	1.0008E 00	1.0522E 00	1.0029E 00	1.0668E 00	9.9346E-01				
5.00	1.0200E 00	1.0101E 00	1.0329E 00	1.0130E 00	1.0526E 00	1.0128E 00	1.0672E 00	1.0081E 00				
7.50	1.0201E 00	1.0134E 00	1.0330E 00	1.0197E 00	1.0527E 00	1.0261E 00	1.0677E 00	1.0279E 00				
10.00	1.0201E 00	1.0151E 00	1.0330E 00	1.0230E 00	1.0528E 00	1.0328E 00	1.0680E 00	1.0380E 00				
15.00	1.0201E 00	1.0168E 00	1.0331E 00	1.0264E 00	1.0530E 00	1.0396E 00	1.0682E 00	1.0481E 00				
20.00	1.0201E 00	1.0176E 00	1.0331E 00	1.0281E 00	1.0530E 00	1.0403E 00	1.0684E 00	1.0533E 00				
30.00	1.0201E 00	1.0184E 00	1.0331E 00	1.0298E 00	1.0531E 00	1.0464E 00	1.0685E 00	1.0584E 00				
50.00	1.0201E 00	1.0191E 00	1.0331E 00	1.0311E 00	1.0532E 00	1.0491E 00	1.0686E 00	1.0625E 00				
75.00	1.0201E 00	1.0194E 00	1.0332E 00	1.0313E 00	1.0532E 00	1.0505E 00	1.0687E 00	1.0646E 00				
100.00	1.0201E 00	1.0196E 00	1.0332E 00	1.0322E 00	1.0532E 00	1.0512E 00	1.0687E 00	1.0697E 00				
150.00	1.0201E 00	1.0198E 00	1.0332E 00	1.0325E 00	1.0532E 00	1.0519E 00	1.0687E 00	1.0667E 00				
200.00	1.0201E 00	1.0199E 00	1.0332E 00	1.0327E 00	1.0532E 00	1.0522E 00	1.0687E 00	1.0672E 00				
300.00	1.0201E 00	1.0199E 00	1.0332E 00	1.0328E 00	1.0532E 00	1.0526E 00	1.0687E 00	1.0677E 00				
400.00	1.0201E 00	1.0200E 00	1.0332E 00	1.0329E 00	1.0533E 00	1.0527E 00	1.0688E 00	1.0680E 00				
500.00	1.0201E 00	1.0200E 00	1.0332E 00	1.0330E 00	1.0533E 00	1.0529E 00	1.0688E 00	1.0682E 00				
750.00	1.0201E 00	1.0200E 00	1.0332E 00	1.0330E 00	1.0533E 00	1.0530E 00	1.0688E 00	1.0684E 00				
1000.00	1.0201E 00	1.0201E 00	1.0332E 00	1.0331E 00	1.0533E 00	1.0531E 00	1.0688E 00	1.0685E 00				
2000.00	1.0201E 00	1.0201E 00	1.0332E 00	1.0331F 00	1.0533F 00	1.0532E 00	1.0688E 00	1.0686E 00				
3000.00	1.0201E 00	1.0201E 00	1.0332E 00	1.0331E 00	1.0533E 00	1.0532E 00	1.0688E 00	1.0687E 00				
4000.00	1.0201E 00	1.0201E 00	1.0332E 00	1.0331E 00	1.0533E 00	1.0532E 00	1.0688E 00	1.0687E 00				
5000.00	1.0201E 00	1.0201E 00	1.0332E 00	1.0331F 00	1.0533F 00	1.0532E 00	1.0688E 00	1.0687E 00				
6000.00	1.0201E 00	1.0201E 00	1.0332E 00	1.0332E 00	1.0533E 00	1.0532E 00	1.0688E 00	1.0687E 00				
7000.00	1.0201E 00	1.0201E 00	1.0332E 00	1.0332E 00	1.0533E 00	1.0532E 00	1.0688E 00	1.0687E 00				
8000.00	1.0201E 00	1.0201E 00	1.0332E 00	1.0332E 00	1.0533E 00	1.0532E 00	1.0688E 00	1.0687E 00				
9000.00	1.0201E 00	1.0201E 00	1.0332E 00	1.0332E 00	1.0533E 00	1.0532E 00	1.0688E 00	1.0687E 00				
10000.00	1.0201E 00	1.0201E 00	1.0332E 00	1.0332E 00	1.0533E 00	1.0532E 00	1.0688E 00	1.0687E 00				
INF	1.0201E 00	1.0201E 00	1.0332E 00	1.0332E 00	1.0533E 00	1.0532E 00	1.0688E 00	1.0688E 00				

TAU = 0.400 TAU = 0.500 TAU = 0.600 TAU = 0.800

Z	X	Y	X	Y	X	Y	X	Y	Z
0.01	1.0052E 00	1.0951E-03	1.0052E 00	9.2190E-04	1.0052E 00	7.8943E-04	1.0052E 00	5.9835E-04	
0.05	1.0185E 00	6.3832E-03	1.0185E 00	5.0732E-03	1.0185E 00	4.2772E-03	1.0186E 00	3.2065E-03	
0.10	1.0298E 00	3.1904E-02	1.0300E 00	1.8040E-02	1.0301E 00	1.2008E-02	1.0303E 00	7.3765E-03	
0.20	1.0442E 00	1.6340E-01	1.0455E 00	1.0712E-01	1.0462E 00	7.1804E-02	1.0469E 00	3.5138E-02	
0.30	1.0526E 00	3.0206E-01	1.0552E 00	2.2519E-01	1.0568E 00	1.6888E-01	1.0586E 00	9.6935E-02	
0.40	1.0580E 00	4.1359E-01	1.0616E 00	3.3128E-01	1.0641E 00	2.6589E-01	1.0670E 00	1.7242E-01	
0.50	1.0617E 00	5.0028E-01	1.0662E 00	4.1904E-01	1.0694E 00	3.5114E-01	1.0734E 00	2.4718E-01	
0.60	1.0644E 00	5.6830E-01	1.0696E 00	4.9060E-01	1.0734E 00	4.2395E-01	1.0764E 00	3.1576E-01	
0.80	1.0681E 00	6.6688E-01	1.0743E 00	5.9839E-01	1.0790E 00	5.3652E-01	1.0855E 00	4.3069E-01	
1.00	1.0704E 00	7.3429E-01	1.0773E 00	6.7443E-01	1.0802E 00	6.1848E-01	1.0904E 00	5.1988E-01	
1.50	1.0738E 00	8.3516E-01	1.0818E 00	7.9152E-01	1.0882E 00	7.4924E-01	1.0978E 00	6.6947E-01	
2.00	1.0756E 00	8.9079E-01	1.0842E 00	8.5768E-01	1.0912E 00	8.2471E-01	1.1019E 00	7.0272E-01	
3.00	1.0775E 00	9.5020E-01	1.0867E 00	9.2950E-01	1.0944E 00	9.0798E-01	1.1064E 00	8.6376E-01	
4.00	1.0784E 00	9.8141E-01	1.0880E 00	9.6768E-01	1.0960E 00	9.5279E-01	1.1087E 00	9.2081E-01	
5.00	1.0790E 00	1.0006E 00	1.0888E 00	9.9135E-01	1.0970E 00	9.8076E-01	1.1101E 00	9.5688E-01	
7.50	1.0798E 00	1.0269E 00	1.0899E 00	1.0238E 00	1.0984E 00	1.0194E 00	1.1121E 00	1.0072E 00	
10.00	1.0802E 00	1.0402E 00	1.0904E 00	1.0405E 00	1.0991E 00	1.0392E 00	1.1131E 00	1.0334E 00	
15.00	1.0806E 00	1.0538E 00	1.0910E 00	1.0574E 00	1.0998E 00	1.0595E 00	1.1141E 00	1.0503E 00	
20.00	1.0808E 00	1.0606E 00	1.0913E 00	1.0606E 00	1.1002E 00	1.0698E 00	1.1146E 00	1.0740E 00	
30.00	1.0808E 00	1.0675E 00	1.0915E 00	1.0746E 00	1.1005E 00	1.0802E 00	1.1125E 00	1.0879E 00	
50.00	1.0912E 00	1.0731E 00	1.0918E 00	1.0818E 00	1.1008E 00	1.0886E 00	1.1156E 00	1.0991E 00	
75.00	1.0913E 00	1.0759E 00	1.0919E 00	1.0851E 00	1.1010E 00	1.0928E 00	1.1158E 00	1.1049E 00	
100.00	1.0913E 00	1.0772E 00	1.0919E 00	1.0869E 00	1.1011E 00	1.0949E 00	1.1159E 00	1.1076E 00	
150.00	1.0914E 00	1.0786E 00	1.0920E 00	1.0886E 00	1.1011E 00	1.0970E 00	1.1160E 00	1.1105E 00	
200.00	1.0914E 00	1.0793E 00	1.0920E 00	1.0895E 00	1.1012E 00	1.0981E 00	1.1161E 00	1.1119E 00	
300.00	1.0914E 00	1.0800E 00	1.0921E 00	1.0903E 00	1.1012E 00	1.0991E 00	1.1161E 00	1.1134E 00	
400.00	1.0914E 00	1.0804E 00	1.0921E 00	1.0908E 00	1.1012E 00	1.0997E 00	1.1161E 00	1.1141E 00	
500.00	1.0914E 00	1.0806E 00	1.0921E 00	1.0911E 00	1.1012E 00	1.1000E 00	1.1162E 00	1.1145E 00	
750.00	1.0914E 00	1.0809E 00	1.0921E 00	1.0914E 00	1.1012E 00	1.1004E 00	1.1162E 00	1.1151E 00	
1000.00	1.0914E 00	1.0810E 00	1.0921E 00	1.0916E 00	1.1013E 00	1.1006E 00	1.1162E 00	1.1154E 00	
2000.00	1.0914E 00	1.0812E 00	1.0921E 00	1.0918E 00	1.1013E 00	1.1010E 00	1.1162E 00	1.1158E 00	
3000.00	1.0914E 00	1.0813E 00	1.0921E 00	1.0919E 00	1.1013E 00	1.1011E 00	1.1162E 00	1.1159E 00	
4000.00	1.0914E 00	1.0813E 00	1.0921E 00	1.0920E 00	1.1013E 00	1.1011E 00	1.1162E 00	1.1160E 00	
5000.00	1.0914E 00	1.0814E 00	1.0921E 00	1.0920E 00	1.1013E 00	1.1011E 00	1.1162E 00	1.1161E 00	
6000.00	1.0914E 00	1.0814E 00	1.0921E 00	1.0920E 00	1.1013E 00	1.1012E 00	1.1162E 00	1.1161E 00	
7000.00	1.0914E 00	1.0814E 00	1.0921E 00	1.0920E 00	1.1013E 00	1.1012E 00	1.1162E 00	1.1161E 00	
8000.00	1.0914E 00	1.0814E 00	1.0921E 00	1.0920E 00	1.1013E 00	1.1012E 00	1.1162E 00	1.1161E 00	
9000.00	1.0914E 00	1.0814E 00	1.0921E 00	1.0921E 00	1.1013E 00	1.1012E			

OMEGA = 0.30

TAU = 1.000				TAU = 1.500				TAU = 2.000				TAU = 2.500					
Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y			
0.01	1.0053E 00	4.6734E-04	1.0053E 00	2.7348E-04	1.0053E 00	1.7246E-04	1.0053E 00	1.1490E-04	0.05	1.0186E 00	2.4895E-03	1.0187E 00	1.4440E-03	1.0187E 00	9.0587E-04	1.0187E 00	5.9901E-04
0.10	1.0303E 00	5.4528E-03	1.0304E 00	3.0905E-03	1.0304E 00	1.9322E-03	1.0304E 00	1.2647E-03	0.20	1.0472E 00	1.9670E-02	1.0474E 00	7.7406E-03	1.0475E 00	4.4166E-03	1.0475E 00	2.8346E-03
0.30	1.0594E 00	5.7695E-02	1.0600E 00	1.9374E-02	1.0601E 00	8.8697E-03	1.0602E 00	5.0714E-03	0.40	1.0685E 00	1.1322E-01	1.0698E 00	4.2645E-02	1.0701E 00	1.8478E-02	1.0702E 00	9.3678E-03
0.50	1.0756E 00	1.7482E-01	1.0778E 00	7.5818E-02	1.0783E 00	3.4941E-02	1.0785E 00	1.7438E-02	0.60	1.0812E 00	2.3573E-01	1.0843E 00	1.1496E-01	1.0852E 00	5.7621E-02	1.0855E 00	3.0021E-02
0.80	1.0896E 00	3.4537E-01	1.0944E 00	1.9882E-01	1.0961E 00	1.1496E-01	1.0967E 00	6.7096E-02	1.00	1.0954E 00	4.3590E-01	1.1018E 00	2.7932E-01	1.1042E 00	1.7875E-01	1.1052E 00	1.1425E-01
1.50	1.1044E 00	5.9659E-01	1.1137E 00	4.4390E-01	1.1178E 00	3.2813E-01	1.1198E 00	2.4166E-01	2.00	1.1095E 00	6.9884E-01	1.1207E 00	5.6149E-01	1.1262E 00	4.4787E-01	1.1290E 00	3.5568E-01
3.00	1.1151E 00	8.1912E-01	1.1287E 00	7.1156E-01	1.1358E 00	6.1346E-01	1.1396E 00	5.2653E-01	4.00	1.1181E 00	8.8710E-01	1.1331E 00	8.0152E-01	1.1413E 00	7.1677E-01	1.1460E 00	6.4176E-01
5.00	1.1199E 00	9.3072E-01	1.1358E 00	8.6102E-01	1.1447E 00	7.9070E-01	1.1500E 00	7.2302E-01	7.50	1.1225E 00	9.9219E-01	1.1397E 00	9.4747E-01	1.1496E 00	8.9823E-01	1.1557E 00	8.4804E-01
10.00	1.1238E 00	1.0245E 00	1.1417E 00	9.9397E-01	1.1522E 00	9.5749E-01	1.1587E 00	9.1946E-01	15.00	1.1251E 00	1.0578E 00	1.1437E 00	1.0268E 00	1.1548E 00	1.0208E 00	1.1618E 00	9.9520E-01
20.00	1.1258E 00	1.0749E 00	1.1448E 00	1.0681E 00	1.1562E 00	1.0540E 00	1.1634E 00	1.0359E 00	30.00	1.1265E 00	1.0923E 00	1.1458E 00	1.0941E 00	1.1576E 00	1.0838E 00	1.1651E 00	1.0783E 00
50.00	1.1271E 00	1.1064E 00	1.1467E 00	1.1153E 00	1.1587E 00	1.1166E 00	1.1664E 00	1.1135E 00	75.00	1.1273E 00	1.1135E 00	1.1471E 00	1.1261E 00	1.1592E 00	1.1310E 00	1.1671E 00	1.1315E 00
100.00	1.1275E 00	1.1171E 00	1.1473E 00	1.1315E 00	1.1595E 00	1.1383E 00	1.1675E 00	1.1407E 00	150.00	1.1276E 00	1.1207E 00	1.1475E 00	1.1370E 00	1.1598E 00	1.1456E 00	1.1678E 00	1.1499E 00
200.00	1.1277E 00	1.1225E 00	1.1477E 00	1.1397E 00	1.1600E 00	1.1493E 00	1.1680E 00	1.1545E 00	300.00	1.1277E 00	1.1243E 00	1.1478E 00	1.1425E 00	1.1601E 00	1.1530E 00	1.1681E 00	1.1591E 00
400.00	1.1278E 00	1.1252E 00	1.1478E 00	1.1439E 00	1.1602E 00	1.1548E 00	1.1682E 00	1.1615E 00	500.00	1.1278E 00	1.1257E 00	1.1479E 00	1.1447E 00	1.1602E 00	1.1559E 00	1.1683E 00	1.1629E 00
750.00	1.1278E 00	1.1264E 00	1.1479E 00	1.1458E 00	1.1603E 00	1.1574E 00	1.1683E 00	1.1647E 00	1000.00	1.1278E 00	1.1268E 00	1.1479E 00	1.1463E 00	1.1603E 00	1.1582E 00	1.1684E 00	1.1657E 00
2000.00	1.1279E 00	1.1273E 00	1.1480E 00	1.1472E 00	1.1603E 00	1.1593E 00	1.1684E 00	1.1671E 00	3000.00	1.1279E 00	1.1275E 00	1.1480E 00	1.1474E 00	1.1604E 00	1.1596E 00	1.1684E 00	1.1675E 00
4000.00	1.1279E 00	1.1276E 00	1.1480E 00	1.1476E 00	1.1604E 00	1.1598E 00	1.1685E 00	1.1676E 00	5000.00	1.1279E 00	1.1277E 00	1.1480E 00	1.1477E 00	1.1604E 00	1.1599E 00	1.1685E 00	1.1679E 00
6000.00	1.1279E 00	1.1277E 00	1.1480E 00	1.1477E 00	1.1604E 00	1.1604E 00	1.1685E 00	1.1680E 00	7000.00	1.1279E 00	1.1277E 00	1.1480E 00	1.1477E 00	1.1604E 00	1.1604E 00	1.1685E 00	1.1681E 00
8000.00	1.1279E 00	1.1278E 00	1.1480E 00	1.1478E 00	1.1604E 00	1.1604E 00	1.1685E 00	1.1685E 00	9000.00	1.1279E 00	1.1278E 00	1.1480E 00	1.1478E 00	1.1604E 00	1.1604E 00	1.1685E 00	1.1682E 00
10000.00	1.1279E 00	1.1278E 00	1.1480E 00	1.1478E 00	1.1604E 00	1.1604E 00	1.1685E 00	1.1685E 00	INF	1.1279E 00	1.1279E 00	1.1480E 00	1.1480E 00	1.1604E 00	1.1604E 00	1.1685E 00	1.1685E 00

TAU = 3.000				TAU = 3.500				TAU = 4.000				TAU = 4.500					
Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y			
0.01	1.0053E 00	7.9122E-05	1.0053E 00	5.6642E-05	1.0053E 00	4.1777E-05	1.0053E 00	3.1652E-05	0.05	1.0187E 00	4.1285E-04	1.0187E 00	2.1679E-04	1.0187E 00	1.6390E-04	1.0187E 00	1.3612E-04
0.10	1.0304E 00	8.6776E-04	1.0304E 00	6.1699E-04	1.0304E 00	4.5222E-04	1.0304E 00	3.4114E-04	0.20	1.0475E 00	1.9210E-03	1.0475E 00	9.8495E-04	1.0475E 00	7.3761E-04	1.0475E 00	5.2010E-04
0.30	1.0602E 00	3.2717E-03	1.0602E 00	2.2532E-03	1.0602E 00	1.6187E-03	1.0602E 00	1.2010E-03	0.40	1.0703E 00	5.4555E-03	1.0703E 00	3.5200E-03	1.0703E 00	2.4348E-03	1.0703E 00	1.7669E-03
0.50	1.0786E 00	9.5312E-03	1.0786E 00	5.7048E-03	1.0786E 00	3.7001E-03	1.0786E 00	2.5612E-03	0.60	1.0856E 00	1.6330E-02	1.0857E 00	5.9264E-03	1.0857E 00	3.8556E-03	1.0857E 00	2.6077E-03
0.80	1.0969E 00	3.9679E-02	1.0970E 00	2.3696E-02	1.0971E 00	1.4724E-02	1.0971E 00	9.3293E-02	1.00	1.1057E 00	7.3334E-02	1.1059E 00	4.7324E-02	1.1060E 00	3.0773E-02	1.1060E 00	2.0214E-02
1.50	1.1208E 00	1.7766CE-01	1.1213E 00	1.3039E-01	1.1216E 00	9.5704E-02	1.1217E 00	7.0279E-02	2.00	1.1305E 00	2.8168E-01	1.1313E 00	2.2267E-01	1.1318E 00	1.7581E-01	1.1321E 00	1.3871E-01
3.00	1.1421E 00	4.5063E-01	1.1435E 00	3.8492E-01	1.1444E 00	3.2846E-01	1.1449E 00	2.7984E-01	4.00	1.1489E 00	5.7141E-01	1.1507E 00	5.0784E-01	1.1518E 00	4.5077E-01	1.1526E 00	3.9974E-01
5.00	1.1533E 00	6.5937E-01	1.1554E 00	6.0259E-01	1.1567E 00	5.4577E-01	1.1577E 00	4.9581E-01	7.50	1.1596E 00	7.9861E-01	1.1621E 00	7.5082E-01	1.1639E 00	7.0510E-01	1.1651E 00	6.6165E-01
10.00	1.1629E 00	8.7914E-01	1.1658E 00	8.4003E-01	1.1678E 00	8.0100E-01	1.1692E 00	7.6474E-01	15.00	1.1665E 00	9.6797E-01	1.1696E 00	9.4004E-01	1.1719E 00	9.1199E-01	1.1735E 00	8.8417E-01
20.00	1.1683E 00	1.0158E 00	1.1716E 00	9.9450E-01	1.1740E 00	9.7273E-01	1.1757E 00	9.5080E-01	30.00	1.1701E 00	1.0659E 00	1.1737E 00	1.0522E 00	1.1762E 00	1.0376E 00	1.1780E 00	1.0225E 00
50.00	1.1717E 00	1.1079E 00	1.1753E 00	1.1007E 00	1.1780E 00	1.0926E 00	1.1799E 00	1.0838E 00	400.00	1.1737E 00	1.1295E 00	1.1776E 00	1.1212E 00	1.1809E 00	1.1159E 00	1.1700E 00	1.1000E 00
500.00	1.1738E 00	1.1672E 00	1.1776E 00	1.1699E 00	1.1805E 00	1.1716E 00	1.1826E 00	1.1726E 00	5000.00	1.1738E 00	1.1659E 00	1.1777E 00	1.1726E 00	1.1806E 00	1.1746E 00	1.1827E 00	1.1760E 00
6000.00	1.1739E 00	1.1706E 00	1.1778E 00	1.1739E 00	1.1806E 00	1.1762E 00	1.1827E 00	1.1777E 00	7000.00	1.1740E 00	1.1735E 00	1.1778E 00	1.1759E 00	1.1803E 00	1.1806E 00	1.1824E 00	1.1821E 00
8000.00	1.1740E 00	1.1736E 00	1.1779E 00	1.1775E 00	1.1807E 00	1.1802E 00	1.1825E 00	1.1822E 00	9000.00	1.1740E 00	1.1732E 00	1.1779E 00	1.1769E 00	1.1807E 00	1.1796E 00	1.1826E 00	1.1823E 00
10000.00	1.1740E 00	1.1737E 00	1.1779E 00	1.1775E 00	1.1807E 00	1.1803E 00	1.1825E 00	1.1823E 00	INF	1.1740E 00	1.1740E 00	1.1779E 00	1.1779E 00	1.1807E 00	1.1807E 00	1.1829E 00	1.1829E 00

OMEGA = 0.30

	TAU = 5.000			TAU = 7.500			TAU = 10.00			TAU = 15.00		
z	x	y		x	y		x	y		x	y	
0.01	1.0053E 00	2.4559E-05		1.0053E 00	9.1264E-06		1.0053E 00	4.5842E-06		1.0053E 00	1.7954E-06	
0.05	1.0187E 00	1.2696E-04		1.0187E 00	4.6948E-05		1.0187E 00	2.3449E-05		1.0187E 00	1.1566E-06	
0.10	1.0304E 00	2.6357E-04		1.0304E 00	9.6398E-05		1.0304E 00	4.8022E-05		1.0304E 00	1.8668E-05	
0.20	1.0475E 00	5.6658E-04		1.0475E 00	2.0312E-04		1.0475E 00	1.0014E-04		1.0475E 00	3.9561E-05	
0.30	1.0602E 00	9.1565E-04		1.0602E 00	3.2050E-04		1.0602E 00	1.5615E-04		1.0602E 00	5.9507E-05	
0.40	1.0703E 00	1.3284E-03		1.0703E 00	4.5002E-04		1.0703E 00	2.1625E-04		1.0703E 00	8.1467E-05	
0.50	1.0786E 00	1.8643E-03		1.0786E 00	5.9461E-04		1.0786E 00	2.8086E-04		1.0786E 00	1.0445E-04	
0.60	1.0857E 00	2.6753E-03		1.0857E 00	7.6172E-04		1.0857E 00	3.5074E-04		1.0857E 00	1.2850E-04	
0.80	1.0971E 00	6.1054E-03		1.0971E 00	1.2622E-03		1.0971E 00	5.1516E-04		1.0971E 00	1.8010E-04	
1.00	1.1060E 00	1.3450E-02		1.1061E 00	2.3542E-03		1.1061E 00	7.6428E-04		1.1061E 00	2.3763E-04	
1.50	1.1218E 00	5.1665E-02		1.1219E 00	1.1542E-02		1.1219E 00	2.9794E-03		1.1220E 00	4.7445E-04	
2.00	1.1323E 00	1.0941E-01		1.1325E 00	3.3526E-02		1.1326E 00	1.0573E-02		1.1326E 00	1.3625E-03	
3.00	1.1453E 00	2.3833E-01		1.1459E 00	1.0629E-01		1.1461E 00	4.7384E-02		1.1461E 00	9.6511E-03	
4.00	1.1531E 00	3.5427E-01		1.1542E 00	1.9267E-01		1.1544E 00	1.0446E-01		1.1545E 00	3.0782E-02	
5.00	1.1583E 00	4.5015E-01		1.1597E 00	2.7630E-01		1.1601E 00	1.6901E-01		1.1602E 00	6.3144E-02	
7.50	1.1660E 00	6.2054E-01		1.1681E 00	4.4824E-01		1.1687E 00	3.2275E-01		1.1690E 00	1.6686E-01	
10.00	1.1702E 00	7.2902E-01		1.1727E 00	5.7155E-01		1.1735E 00	4.4677E-01		1.1740E 00	2.7225E-01	
15.00	1.1747E 00	8.5677E-01		1.1777E 00	7.2924E-01		1.1788E 00	6.1901E-01		1.1795E 00	4.4494E-01	
20.00	1.1770E 00	9.2893E-01		1.1803E 00	8.2388E-01		1.1816E 00	7.2884E-01		1.1825E 00	5.6908E-01	
30.00	1.1794E 00	1.0072E 00		1.1831E 00	9.3092E-01		1.1845E 00	8.5830E-01		1.1857E 00	7.2807E-01	
50.00	1.1814E 00	1.0747E 00		1.1854E 00	1.0266E 00		1.1870E 00	9.7835E-01		1.1883E 00	8.0485E-01	
75.00	1.1824E 00	1.1101E 00		1.1865E 00	1.0780E 00		1.1882E 00	1.0446E 00		1.1897E 00	9.7804E-01	
100.00	1.1829E 00	1.1282E 00		1.1871E 00	1.1047E 00		1.1899E 00	1.0794E 00		1.1904E 00	1.0284E 00	
150.00	1.1835E 00	1.1467E 00		1.1877E 00	1.1321E 00		1.1905E 00	1.1513E 00		1.1911E 00	1.0804E 00	
200.00	1.1837E 00	1.1560E 00		1.1880E 00	1.1461E 00		1.1899E 00	1.1337E 00		1.1915E 00	1.1074E 00	
300.00	1.1848E 00	1.1654E 00		1.1883E 00	1.1402E 00		1.1902E 00	1.1525E 00		1.1918E 00	1.1351E 00	
400.00	1.1841E 00	1.1702E 00		1.1885E 00	1.1673E 00		1.1903E 00	1.1619E 00		1.1920E 00	1.1492E 00	
500.00	1.1842E 00	1.1730F 00		1.1896E 00	1.1716E 00		1.1904E 00	1.1677E 00		1.1921E 00	1.1577E 00	
750.00	1.1843E 00	1.1768E 00		1.1897E 00	1.1773E 00		1.1906E 00	1.1753E 00		1.1923E 00	1.1692E 00	
1000.00	1.1843E 00	1.1798E 00		1.1898E 00	1.1802E 00		1.1906E 00	1.1792E 00		1.1923E 00	1.1750E 00	
2000.00	1.1844E 00	1.1816E 00		1.1888E 00	1.1846E 00		1.1907E 00	1.1850E 00		1.1924E 00	1.1837E 00	
3000.00	1.1844E 00	1.1826E 00		1.1898E 00	1.1860E 00		1.1908E 00	1.1869E 00		1.1925E 00	1.1867E 00	
4000.00	1.1845E 00	1.1831E 00		1.1898E 00	1.1868E 00		1.1908E 00	1.1879E 00		1.1925E 00	1.1881E 00	
5000.00	1.1845E 00	1.1833E 00		1.1898E 00	1.1872E 00		1.1908E 00	1.1885E 00		1.1925E 00	1.1890E 00	
6000.00	1.1845E 00	1.1835E 00		1.1898E 00	1.1875E 00		1.1908E 00	1.1689E 00		1.1925E 00	1.1896E 00	
7000.00	1.1845E 00	1.1837E 00		1.1898E 00	1.1877E 00		1.1908E 00	1.1892E 00		1.1925E 00	1.1900E 00	
8000.00	1.1845E 00	1.1838E 00		1.1898E 00	1.1878E 00		1.1908E 00	1.1894E 00		1.1925E 00	1.1903E 00	
9000.00	1.1845E 00	1.1839E 00		1.1898E 00	1.1880E 00		1.1908E 00	1.1895E 00		1.1925E 00	1.1906E 00	
10000.00	1.1845E 00	1.1839E 00		1.1898E 00	1.1881E 00		1.1908E 00	1.1897E 00		1.1925E 00	1.1908E 00	
INF	1.1845E 00	1.1845E 00		1.1898E 00	1.1889E 00		1.1908E 00	1.1908E 00		1.1925E 00	1.1925E 00	

	TAU = 20.00			TAU = 25.00			TAU = 30.00			TAU = 40.00		
z	x	y		x	y		x	y		x	y	
0.01	1.0053E 00	9.4029E-07		1.0053E 00	5.6674E-07		1.0053E 00	3.8400E-07		1.0053E 00	2.0823E-07	
0.05	1.0187E 00	4.7857E-05		1.0187E 00	2.9217E-06		1.0187E 00	1.9507E-06		1.0187E 00	1.0572E-06	
0.10	1.0304E 00	9.7368E-06		1.0304E 00	5.9275E-06		1.0304E 00	3.9611E-06		1.0304E 00	2.1443E-06	
0.20	1.0475E 00	2.0026E-05		1.0475E 00	1.2157E-05		1.0475E 00	8.1139E-06		1.0475E 00	4.3824E-06	
0.30	1.0602E 00	3.0764E-05		1.0602E 00	1.8624E-05		1.0602E 00	1.2412E-05		1.0602E 00	6.6881E-06	
0.40	1.0703E 00	4.1912E-05		1.0703E 00	2.5304E-05		1.0703E 00	1.6835E-05		1.0703E 00	9.0503E-06	
0.50	1.0786E 00	5.3457E-05		1.0786E 00	3.2185E-05		1.0786E 00	2.1374E-05		1.0786E 00	1.1463E-05	
0.60	1.0857E 00	6.5396E-05		1.0857E 00	3.9251E-05		1.0857E 00	2.6022E-05		1.0857E 00	1.3921E-05	
0.80	1.0971E 00	9.0492E-05		1.0971E 00	5.3966E-05		1.0971E 00	3.5637E-05		1.0971E 00	1.8967E-05	
1.00	1.1061E 00	1.1733E-05		1.1061E 00	4.9515E-05		1.1061E 00	4.5674E-05		1.1061E 00	2.4177E-05	
1.50	1.1220E 00	1.9614E-04		1.1220E 00	1.1212E-04		1.1220E 00	7.2723E-05		1.1220E 00	3.7915E-05	
2.00	1.1326E 00	3.4894E-04		1.1326E 00	1.6664E-04		1.1326E 00	1.0347E-04		1.1326E 00	5.2741E-05	
3.00	1.1461E 00	2.1532E-03		1.1461E 00	5.9719E-04		1.1461E 00	2.3605E-04		1.1461E 00	8.8573E-05	
4.00	1.1545E 00	9.2177E-03		1.1545E 00	2.8696E-03		1.1545E 00	9.6964E-04		1.1545E 00	1.8520E-04	
5.00	1.1503E 00	2.3678E-02		1.1603E 00	8.9678E-03		1.1603E 00	3.4645E-03		1.1603E 00	5.9646E-04	
7.50	1.1691E 00	8.6200E-02		1.1691E 00	4.4560E-02		1.1691E 00	2.3072E-02		1.1691E 00	6.2512E-03	
10.00	1.1742E 00	1.6571E-01		1.1742E 00	1.0084E-01		1.1742E 00	6.1373E-02		1.1743E 00	2.2776E-02	
15.00	1.1798E 00	3.1945E-01		1.1799E 00	2.2926E-01		1.1799E 00	1.6450E-01		1.1800E 00	8.4690E-02	
20.00	1.1828E 00	4.4387E-01		1.1830E 00	3.4666E-01		1.1831E 00	2.8976E-01		1.1831E 00	1.6387E-01	
30.00	1.1861E 00	6.1700E-01		1.1863E 00	1.2268E-01		1.1864E 00	1.4269E-01		1.1865E 00	3.1746E-01	
50.00	1.1899E 00	8.0318E-01		1.1901E 00	7.2716E-01		1.1903E 00	6.5823E-01		1.1905E 00	5.3921E-01	
75.00	1.1903E 00	9.1656E-01		1.1904E 00	8.5777E-01		1.1908E 00	8.0271E-01		1.1910E 00	7.0282E-01	
100.00	1.1910E 00	9.7896E-01		1.1914E 00	9.3164E-01		1.1916E 00	8.8647E-01		1.1918E 00	8.0249E-01	
150.00	1.1918E 00	1.0457E 00		1.1922E 00	1.0119E 00		1.1924E 00	9.7898E-01		1.1927E 00	9.1617E-01	
200.00	1.1922E 00	1.0808E 00		1.1926E 00	1.0546E 00		1.1928E 00	1.0288E 00		1.1931E 00	9.7896E-01	
300.00	1.1932E 00	1.1171E 00		1.1936E 00	1.0790E 00		1.1932E 00	1.0812E 00		1.1935E 00	1.0461E 00	
400.00	1.1927E 00	1.1357E 00		1.1932E 00	1.1220E 00		1.1934E 00	1.1038E 00		1.1937E 00	1.0813E 00	
500.00	1.1929E 00	1.1470E 00		1.1933E 00	1.1360E 00		1.1935E 00	1.1250E 00		1.1938E 00	1.1030E 00	
750.00	1.1930E 00	1.1622E 00		1.1934E 00	1.1549E 00		1.1937E 00	1.1475E 00		1.1940E 00	1.1327E 00	
1000.00	1.1931E 00	1.1699E 00		1.1935E 00	1.1645E 00		1.1938E 00	1.1590E 00		1.1941E 00	1.1478E 00	
2000.00	1.1932E 00	1.1816E 00		1.1936E 00	1.1790E 00		1.1939E 00	1.1764E 00		1.1942E 00	1.1708E 00	
3000.00	1.1932E 00	1.1855E 00		1.1937E 00	1.1839E 00		1.1939E 00	1.1822E 00		1.1943E 00	1.1786E 00	
4000.00	1.1933E 00	1.1874E 00		1.1937E 00	1.1864E 00		1.1940E 00	1.1852E 00				

OMEGA = 0.30		TAU = 50.00		TAU = 75.00		TAU = 100.0		TAU = 200.0	
<i>z</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	
0.01	1.0053E 00	1.3784E-07	1.0053E 00	6.7857E-08	1.0053E 00	3.9089E-08	1.0053E 00	4.8719E-09	
0.05	1.0187E 00	6.8450E-07	1.0187E 00	3.4413E-07	1.0187E 00	2.0104E-07	1.0187E 00	2.5049E-08	
0.10	1.0304E 00	1.3906E-06	1.0304E 00	6.9701E-07	1.0304E 00	4.0433E-07	1.0304E 00	5.0631E-08	
0.20	1.0475E 00	2.8402E-06	1.0475E 00	1.4204E-06	1.0475E 00	8.2776E-07	1.0475E 00	1.0315E-07	
0.30	1.0602E 00	4.3289E-06	1.0602E 00	2.1614E-06	1.0602E 00	1.2573E-06	1.0602E 00	1.5688E-07	
0.40	1.0703E 00	5.8494E-06	1.0703E 00	2.9160E-06	1.0703E 00	1.6974E-06	1.0703E 00	2.1160E-07	
0.50	1.0786E 00	7.3973E-06	1.0786E 00	3.6819E-06	1.0786E 00	2.1469E-06	1.0786E 00	2.6715E-07	
0.60	1.0857E 00	8.4969E-06	1.0857E 00	4.4577E-06	1.0857E 00	2.5903E-06	1.0857E 00	3.2327E-07	
0.80	1.0971E 00	1.2181E-05	1.0971E 00	6.0344E-06	1.0971E 00	3.5092E-06	1.0971E 00	4.3743E-07	
1.00	1.1061E 00	1.5474E-05	1.1061E 00	7.6406E-06	1.1061E 00	4.4224E-06	1.1061E 00	5.5333E-07	
1.50	1.1220E 00	2.4040E-05	1.1220E 00	1.1767E-05	1.1220E 00	6.8277E-06	1.1220E 00	8.5126E-07	
2.00	1.1326E 00	3.3086E-05	1.1326E 00	1.6034E-05	1.1326E 00	9.2678E-06	1.1326E 00	1.1581E-06	
3.00	1.1461E 00	5.2879E-05	1.1461E 00	2.4975E-05	1.1461E 00	1.4421E-05	1.1461E 00	1.7970E-06	
4.00	1.1545E 00	8.0102E-05	1.1545E 00	3.4497E-05	1.1545E 00	1.9819E-05	1.1545E 00	2.4682E-06	
5.00	1.1603E 00	1.5684E-04	1.1603E 00	4.5060E-05	1.1603E 00	2.5503E-05	1.1603E 00	3.1726E-06	
7.50	1.1691E 00	1.7502E-03	1.1691E 00	1.3025E-04	1.1691E 00	4.3138E-05	1.1691E 00	5.0906E-06	
10.00	1.1743E 00	8.4978E-03	1.1743E 00	7.8694E-04	1.1743E 00	1.1501E-04	1.1743E 00	7.2669E-06	
15.00	1.1800E 00	4.3621E-02	1.1800E 00	8.3629E-03	1.1800E 00	1.6489E-03	1.1800E 00	1.4574E-05	
20.00	1.1831E 00	9.9545E-02	1.1832E 00	2.8669E-02	1.1832E 00	8.2968E-03	1.1832E 00	7.4683E-05	
30.00	1.1866E 00	2.2765E-01	1.1866E 00	9.9118E-02	1.1866E 00	4.3177E-02	1.1866E 00	1.5734E-03	
50.00	1.1896E 00	4.4164E-01	1.1896E 00	2.6809E-01	1.1897E 00	1.6272E-01	1.1897E 00	2.2083E-02	
75.00	1.1911E 00	6.1528E-01	1.1913E 00	4.4110E-01	1.1913E 00	3.1619E-01	1.1914E 00	8.3434E-02	
100.00	1.1920E 00	7.2626E-01	1.1921E 00	5.6585E-01	1.1922E 00	4.4082E-01	1.1922E 00	1.6228E-01	
150.00	1.1928E 00	8.5727E-01	1.1930E 00	7.2592E-01	1.1931E 00	6.1462E-01	1.1932E 00	3.1569E-01	
200.00	1.1932E 00	9.3140E-01	1.1934E 00	8.2223E-01	1.1936E 00	7.2576E-01	1.1937E 00	4.4034E-01	
300.00	1.1937E 00	1.0120E 00	1.1939E 00	9.3131E-01	1.1940E 00	8.5700E-01	1.1942E 00	6.1422E-01	
400.00	1.1939E 00	1.0548E 00	1.1941E 00	9.9177E-01	1.1943E 00	9.3127E-01	1.1944E 00	7.2544E-01	
500.00	1.1940E 00	1.0814E 00	1.1943E 00	1.0289E 00	1.1944E 00	9.7889E-01	1.1946E 00	8.0162E-01	
750.00	1.1942E 00	1.1177E 00	1.1945E 00	1.0815E 00	1.1946E 00	1.0462E 00	1.1948E 00	9.1576E-01	
1000.00	1.1943E 00	1.1366E 00	1.1946E 00	1.1088E 00	1.1947E 00	1.0816F 00	1.1949E 00	9.7882E-01	
2000.00	1.1944E 00	1.1652E 00	1.1947E 00	1.1510E 00	1.1949E 00	1.1369E 00	1.1950E 00	1.0816E 00	
3000.00	1.1945E 00	1.1749E 00	1.1948E 00	1.1654E 00	1.1949E 00	1.1559E 00	1.1951E 00	1.1182E 00	
4000.00	1.1945E 00	1.1798E 00	1.1948E 00	1.1727E 00	1.1949E 00	1.1656E 00	1.1951E 00	1.1370E 00	
5000.00	1.1945E 00	1.1827E 00	1.1946E 00	1.1771E 00	1.1949E 00	1.1714E 00	1.1951E 00	1.1484E 00	
6000.00	1.1945E 00	1.1847E 00	1.1948E 00	1.1801E 00	1.1950E 00	1.1753E 00	1.1951E 00	1.1561E 00	
7000.00	1.1945E 00	1.1861E 00	1.1948E 00	1.1822E 00	1.1950E 00	1.1741E 00	1.1952E 00	1.1616E 00	
8000.00	1.1945E 00	1.1972E 00	1.1948E 00	1.1837E 00	1.1950E 00	1.1802E 00	1.1952E 00	1.1657E 00	
9000.00	1.1945E 00	1.1880E 00	1.1948E 00	1.1850E 00	1.1950E 00	1.1818E 00	1.1952E 00	1.1690E 00	
10000.00	1.1945E 00	1.1886E 00	1.1948E 00	1.1859E 00	1.1950E 00	1.1831E 00	1.1952E 00	1.1716E 00	
INF	1.1946E 00	1.1946E 00	1.1948E 00	1.1948E 00	1.1950E 00	1.1950E 00	1.1952E 00	1.1952E 00	
TAU = 230.3									
<i>z</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	
0.01	1.0053E 00	3.5059E-09							
0.05	1.0187E 00	1.2333E-08							
0.10	1.0304E 00	2.6163E-08							
0.20	1.0475E 00	5.4174E-08							
0.30	1.0602E 00	8.2804E-08							
0.40	1.0703E 00	1.1194E-07							
0.50	1.0786E 00	1.4149E-07							
0.60	1.0857E 00	1.7141E-07							
0.80	1.0971E 00	2.3217E-07							
1.00	1.1061E 00	2.9401E-07							
1.50	1.1220E 00	4.5252E-07							
2.00	1.1326E 00	6.1593E-07							
3.00	1.1461E 00	9.5605E-07							
4.00	1.1545E 00	1.3134E-06							
5.00	1.1603E 00	1.6885E-06							
7.50	1.1691E 00	2.7097E-06							
10.00	1.1743E 00	3.8672E-06							
15.00	1.1800E 00	6.9709E-06							
20.00	1.1832E 00	2.2610E-05							
30.00	1.1866E 00	5.8054E-04							
50.00	1.1897E 00	1.2052E-02							
75.00	1.1914E 00	5.5702E-02							
100.00	1.1922E 00	1.1985E-01							
150.00	1.1932E 00	2.5793E-01							
200.00	1.1937E 00	3.7841E-01							
300.00	1.1942E 00	5.5520E-01							
400.00	1.1944E 00	6.7250E-01							
500.00	1.1944E 00	7.5447E-01							
750.00	1.1948E 00	8.7951E-01							
1000.00	1.1949E 00	9.4960E-01							
2000.00	1.1950E 00	1.0654E 00							
3000.00	1.1951E 00	1.1070E 00							
4000.00	1.1951E 00	1.1284E 00							
5000.00	1.1951E 00	1.1415E 00							
6000.00	1.1952E 00	1.1503E 00							
7000.00	1.1952E 00	1.1566E 00							
8000.00	1.1952E 00	1.1613E 00							
9000.00	1.1952E 00	1.1651E 00							
10000.00	1.1952E 00	1.1680E 00							
INF	1.1952E 00	1.1952E 00							

OMEGA = 0.40

	TAU = 0.050	TAU = 0.100	TAU = 0.200	TAU = 0.300
ζ	x y	x y	x y	x y
0.01	1.0068E 00 1.1029E-02	1.0069E 00 3.2704E-03	1.0070E 00 2.3387E-03	1.0070E 00 1.8487E-03
0.05	1.0182E 00 3.8394E-01	1.0225E 00 1.5210E-01	1.0246E 00 3.1648E-02	1.0250E 00 1.2878E-02
0.10	1.0219E 00 6.2714E-01	1.0306E 00 3.9411E-01	1.0376E 00 1.6171E-01	1.0398E 00 7.2453E-02
0.20	1.0243E 00 8.0234E-01	1.0367E 00 6.4044E-01	1.0504E 00 4.0972E-01	1.0571E 00 2.6503E-01
0.30	1.0252E 00 8.7111E-01	1.0391E 00 7.5365E-01	1.0564E 00 5.6319E-01	1.0663E 00 4.2159E-01
0.40	1.0256E 00 9.0770E-01	1.0404E 00 8.1767E-01	1.0598E 00 6.6102E-01	1.0719E 00 5.3369E-01
0.50	1.0259E 00 9.3039E-01	1.0413E 00 8.5870E-01	1.0621E 00 7.2792E-01	1.0756E 00 6.1538E-01
0.60	1.0261E 00 9.4584E-01	1.0418E 00 8.8721E-01	1.0637E 00 7.7633E-01	1.0783E 00 6.7693E-01
0.80	1.0263E 00 9.6551E-01	1.0425E 00 9.2420E-01	1.0677E 00 8.4151E-01	1.0819E 00 7.6288E-01
1.00	1.0264E 00 9.7751E-01	1.0430E 00 9.4714E-01	1.0670E 00 8.8326E-01	1.0842E 00 8.1976E-01
1.50	1.0266E 00 9.9374E-01	1.0436E 00 9.7862E-01	1.0688E 00 9.4225E-01	1.0873E 00 9.0243E-01
2.00	1.0267E 00 1.0020E 00	1.0439E 00 9.9476E-01	1.0697E 00 9.7323E-01	1.0890E 00 9.4692E-01
3.00	1.0268E 00 1.0102E 00	1.0442E 00 1.0112E 00	1.0706E 00 1.0053E 00	1.0907E 00 9.9366E-01
4.00	1.0269E 00 1.0144E 00	1.0443E 00 1.0195E 00	1.0711E 00 1.0217E 00	1.0916E 00 1.0179E 00
5.00	1.0269E 00 1.0169E 00	1.0444E 00 1.0245E 00	1.0714E 00 1.0316E 00	1.0922E 00 1.0327E 00
7.50	1.0269E 00 1.0203E 00	1.0445E 00 1.0312E 00	1.0718E 00 1.0451E 00	1.0929E 00 1.0529E 00
10.00	1.0270E 00 1.0220E 00	1.0446E 00 1.0346E 00	1.0720E 00 1.0519E 00	1.0932E 00 1.0631E 00
15.00	1.0270E 00 1.0236E 00	1.0447E 00 1.0380E 00	1.0722E 00 1.0597E 00	1.0936E 00 1.0734E 00
20.00	1.0270E 00 1.0245E 00	1.0447E 00 1.0397E 00	1.0723E 00 1.0622E 00	1.0938E 00 1.0786E 00
30.00	1.0270E 00 1.0253E 00	1.0447E 00 1.0414E 00	1.0724E 00 1.0656E 00	1.0940E 00 1.0838E 00
50.00	1.0270E 00 1.0260E 00	1.0448E 00 1.0426E 00	1.0724E 00 1.0684E 00	1.0941E 00 1.0880E 00
75.00	1.0270E 00 1.0263E 00	1.0448E 00 1.0434E 00	1.0725E 00 1.0698E 00	1.0942E 00 1.0901E 00
100.00	1.0270E 00 1.0265E 00	1.0448E 00 1.0438E 00	1.0725E 00 1.0705E 00	1.0942E 00 1.0912E 00
150.00	1.0270E 00 1.0267E 00	1.0448E 00 1.0441E 00	1.0725E 00 1.0712E 00	1.0943E 00 1.0922E 00
200.00	1.0270E 00 1.0268E 00	1.0448E 00 1.0443E 00	1.0725E 00 1.0715E 00	1.0943E 00 1.0928E 00
300.00	1.0270E 00 1.0269E 00	1.0448E 00 1.0445E 00	1.0725E 00 1.0719E 00	1.0943E 00 1.0933E 00
400.00	1.0270E 00 1.0269E 00	1.0448E 00 1.0445E 00	1.0725E 00 1.0720E 00	1.0943E 00 1.0935E 00
500.00	1.0270E 00 1.0269E 00	1.0448E 00 1.0446E 00	1.0725E 00 1.0721E 00	1.0943E 00 1.0937E 00
750.00	1.0270E 00 1.0270E 00	1.0448E 00 1.0447E 00	1.0725E 00 1.0723E 00	1.0943E 00 1.0939E 00
1000.00	1.0270E 00 1.0270E 00	1.0448E 00 1.0447E 00	1.0725E 00 1.0723E 00	1.0943E 00 1.0940E 00
2000.00	1.0270E 00 1.0270E 00	1.0449E 00 1.0447E 00	1.0725E 00 1.0724E 00	1.0943E 00 1.0942E 00
3000.00	1.0270E 00 1.0270E 00	1.0448E 00 1.0448E 00	1.0725E 00 1.0725E 00	1.0943E 00 1.0942E 00
4000.00	1.0270E 00 1.0270E 00	1.0448E 00 1.0448E 00	1.0725E 00 1.0725E 00	1.0943E 00 1.0943E 00
5000.00	1.0270E 00 1.0270E 00	1.0448E 00 1.0448E 00	1.0725E 00 1.0725E 00	1.0943E 00 1.0943E 00
6000.00	1.0270E 00 1.0270E 00	1.0448E 00 1.0448E 00	1.0725E 00 1.0725E 00	1.0943E 00 1.0943E 00
7000.00	1.0270E 00 1.0270E 00	1.0448E 00 1.0448E 00	1.0725E 00 1.0725E 00	1.0943E 00 1.0943E 00
8000.00	1.0270E 00 1.0270E 00	1.0448E 00 1.0448E 00	1.0725E 00 1.0725E 00	1.0943E 00 1.0943E 00
9000.00	1.0270E 00 1.0270E 00	1.0448E 00 1.0448E 00	1.0725E 00 1.0725E 00	1.0943E 00 1.0943E 00
10000.00	1.0270E 00 1.0270E 00	1.0448E 00 1.0448E 00	1.0725E 00 1.0725E 00	1.0943E 00 1.0943E 00
INF	1.0270E 00 1.0270E 00	1.0448E 00 1.0448E 00	1.0726E 00 1.0726E 00	1.0943E 00 1.0943E 00

TAU = 0.400

	TAU = 0.400	TAU = 0.500	TAU = 0.600	TAU = 0.800
ζ	x y	x y	x y	x y
0.01	1.0071E 00 1.5285E-03	1.0071E 00 1.2972E-03	1.0071E 00 1.1193E-03	1.0071E 00 8.6028E-04
0.05	1.0251E 00 8.7808E-03	1.0252E 00 7.1273E-03	1.0253E 00 6.0701E-03	1.0254E 00 4.6186E-03
0.10	1.0407E 00 3.7245E-02	1.0411E 00 2.2626E-02	1.0413E 00 1.5988E-02	1.0416E 00 1.0473E-02
0.20	1.0606E 00 1.7429E-01	1.0626E 00 1.1711E-01	1.0638E 00 9.0833E-02	1.0649E 00 4.2401E-02
0.30	1.0723E 00 3.1688E-01	1.0761E 00 2.3955E-01	1.0786E 00 1.8240E-01	1.0813E 00 1.0859E-01
0.40	1.0797E 00 4.3114E-01	1.0851E 00 3.4890E-01	1.0888E 00 2.8302E-01	1.0933E 00 1.8800E-01
0.50	1.0849E 00 5.1980E-01	1.0915E 00 4.3910E-01	1.0963E 00 3.7116E-01	1.1024E 00 2.6607E-01
0.60	1.0988E 00 5.8929E-01	1.0962E 00 5.1263E-01	1.1019E 00 4.4584E-01	1.1094E 00 3.3741E-01
0.80	1.0938E 00 6.8993E-01	1.1026E 00 6.2303E-01	1.1098E 00 5.6206E-01	1.1196E 00 4.5660E-01
1.00	1.0971E 00 7.5870E-01	1.1071E 00 7.0089E-01	1.1151E 00 6.4664E-01	1.1266E 00 5.4888E-01
1.50	1.1018E 00 8.6153E-01	1.1133E 00 8.2048E-01	1.1228E 00 7.8049E-01	1.1371E 00 7.0335E-01
2.00	1.1043E 00 9.1822E-01	1.1167E 00 8.8832E-01	1.1270E 00 8.5788E-01	1.1429E 00 7.9697E-01
3.00	1.1064E 00 9.7875E-01	1.1202E 00 9.6171E-01	1.1314E 00 9.4522E-01	1.1492E 00 9.0358E-01
4.00	1.1082E 00 1.0105E 00	1.1220E 00 1.0007E 00	1.1338E 00 9.8913E-01	1.1525E 00 9.6231E-01
5.00	1.1090E 00 1.0301E 00	1.1231E 00 1.0249E 00	1.1352E 00 1.0178E 00	1.1546E 00 9.9943E-01
7.50	1.1101E 00 1.0568E 00	1.1247E 00 1.0581E 00	1.1371E 00 1.0573E 00	1.1574E 00 1.0512E 00
10.00	1.1107E 00 1.0704E 00	1.1254E 00 1.0751E 00	1.1381E 00 1.0776E 00	1.1588E 00 1.0782E 00
15.00	1.1112E 00 1.0842E 00	1.1262E 00 1.0924E 00	1.1391E 00 1.0984E 00	1.1603E 00 1.1058E 00
20.00	1.1115E 00 1.0913E 00	1.1266E 00 1.1011E 00	1.1396E 00 1.1089E 00	1.1616E 00 1.1199E 00
30.00	1.1118E 00 1.0982E 00	1.1270E 00 1.1099E 00	1.1401E 00 1.1196E 00	1.1618E 00 1.1342E 00
50.00	1.1120E 00 1.1039E 00	1.1273E 00 1.1170E 00	1.1405E 00 1.1281E 00	1.1624E 00 1.1457E 00
75.00	1.1122E 00 1.1067E 00	1.1275E 00 1.1266E 00	1.1407E 00 1.1325E 00	1.1627E 00 1.1516E 00
100.00	1.1122E 00 1.1081E 00	1.1275E 00 1.1224E 00	1.1408E 00 1.1346E 00	1.1628E 00 1.1545E 00
150.00	1.1123E 00 1.1095E 00	1.1276E 00 1.1242E 00	1.1409E 00 1.1368E 00	1.1630E 00 1.1574E 00
200.00	1.1123E 00 1.1102E 00	1.1277E 00 1.1251E 00	1.1410E 00 1.1379E 00	1.1631E 00 1.1589E 00
300.00	1.1123E 00 1.1110E 00	1.1277E 00 1.1260E 00	1.1410E 00 1.1390E 00	1.1631E 00 1.1604E 00
400.00	1.1123E 00 1.1113E 00	1.1277E 00 1.1264E 00	1.1411E 00 1.1395E 00	1.1632E 00 1.1611E 00
500.00	1.1123E 00 1.1115E 00	1.1277E 00 1.1267E 00	1.1411E 00 1.1398E 00	1.1632E 00 1.1615E 00
750.00	1.1124E 00 1.1118E 00	1.1277E 00 1.1271E 00	1.1411E 00 1.1403E 00	1.1632E 00 1.1621E 00
1000.00	1.1124E 00 1.1120E 00	1.1277E 00 1.1272E 00	1.1411E 00 1.1405E 00	1.1633E 00 1.1624E 00
2000.00	1.1124E 00 1.1122E 00	1.1278E 00 1.1275E 00	1.1411E 00 1.1408E 00	1.1633E 00 1.1629E 00
3000.00	1.1124E 00 1.1122E 00	1.1278E 00 1.1276E 00	1.1411E 00 1.1409E 00	1.1633E 00 1.1630E 00
4000.00	1.1124E 00 1.1123E 00	1.1278E 00 1.1276E 00	1.1411E 00 1.1410E 00	1.1633E 00 1.1631E 00
5000.00	1.1124E 00 1.1124E 00	1.1278E 00 1.1277E 00	1.1411E 00 1.1410E 00	1.1633E 00 1.1631E 00
6000.00	1.1124E 00 1.1123E 00	1.1278E 00 1.1277E 00	1.1411E 00 1.1410E 00	1.1633E 00 1.1632E 00
7000.00	1.1124E 00 1.1123F 00	1.1278E 00 1.1277E 00	1.1411E 00 1.1411E 00	1.1633E 00 1.1632E 00
8000.00	1.1124E 00 1.1123E 00	1.1278E 00 1.1277E 00	1.1411E 00 1.1411E 00	1.1633E 00 1.1632E 00
9000.00	1.1124E 00 1.1123E 00	1.1278E 00 1.1277E 00	1.1411E 00 1.1411E 00	1.1633E 00 1.1632E 00
10000.00	1.1124E 00 1.1123E 00	1.1278E 00 1.1277E 00	1.1411E 00 1.1411E 00	1.1633E 00 1.1632E 00
INF	1.1124E 00 1.1124E 00	1.1278E 00 1.1278E 00	1.1411E 00 1.1411E 00	1.1633E 00 1.1633E 00

DMEGA = 0.40

TAU = 1.000				TAU = 1.500				TAU = 2.000				TAU = 2.500			
<i>z</i>	<i>x</i>	<i>y</i>		<i>x</i>	<i>y</i>			<i>x</i>	<i>y</i>			<i>x</i>	<i>y</i>		
0.01	1.0071E 00	6.8047E-04		1.0071E 00	4.0911E-04			1.0071E 00	2.6336E-04			1.0071E 00	1.7024E-04		
0.05	1.0255E 00	3.6327E-03		1.0255E 00	2.1662E-03			1.0256E 00	1.3937E-03			1.0256E 00	0.3581E-04		
0.10	1.0417E 00	7.9377E-03		1.0419E 00	4.6418E-03			1.0419E 00	2.4956E-03			1.0420E 00	1.9806E-03		
0.20	1.0654E 00	2.5520E-02		1.0659E 00	1.1325E-02			1.0660E 00	6.7640E-03			1.0661E 00	4.4493E-03		
0.30	1.0826E 00	6.7465E-02		1.0838E 00	2.3554E-02			1.0841E 00	1.2894E-02			1.0842E 00	7.7975E-03		
0.40	1.0957E 00	1.2614E-01		1.0979E 00	5.1807E-02			1.0985E 00	2.4545E-02			1.0987E 00	1.3491E-02		
0.50	1.1056E 00	1.9192E-01		1.1094E 00	8.8077E-02			1.1106E 00	4.3379E-02			1.1108E 00	2.3239E-02		
0.60	1.1139E 00	2.5568E-01		1.1188E 00	1.3024E-01			1.1206E 00	6.8558E-02			1.1210E 00	3.7723E-02		
0.80	1.1258E 00	3.7045E-01		1.1325E 00	2.1959E-01			1.1363E 00	1.3092E-01			1.1374E 00	7.8494E-02		
1.00	1.1342E 00	4.6674E-01		1.1442E 00	3.0472E-01			1.1483E 00	1.9919E-01			1.1501E 00	1.03035E-01		
1.50	1.1471E 00	6.3159E-01		1.1616E 00	4.7774E-01			1.1686E 00	3.5820E-01			1.1718E 00	2.6720E-01		
2.00	1.1545E 00	7.3752E-01		1.1720E 00	6.0089E-01			1.1808E 00	4.8471E-01			1.1855E 00	3.0861E-01		
3.00	1.1625E 00	8.6202E-01		1.1837E 00	7.5766E-01			1.1952E 00	6.5901E-01			1.2018E 00	5.4960E-01		
4.00	1.1668E 00	9.3235E-01		1.1901E 00	8.5147E-01			1.2033E 00	7.6959E-01			1.2111E 00	6.9127E-01		
5.00	1.1695E 00	9.7734E-01		1.1941E 00	9.1347E-01			1.2084E 00	8.4502E-01			1.2171E 00	7.7693E-01		
7.50	1.1731E 00	1.0404E-00		1.1998E 00	1.0035E-00			1.2157E 00	9.5767E-01			1.2257E 00	9.0485E-01		
10.00	1.1750E 00	1.0742E-00		1.2027E 00	1.0519E-00			1.2196E 00	1.0197E-00			1.2303E 00	9.8275E-01		
15.00	1.1769E 00	1.1086E-00		1.2057E 00	1.1027E-00			1.2235E 00	1.0859E-00			1.2350E 00	1.0632E-00		
20.00	1.1779E 00	1.1262E-00		1.2073E 00	1.1299E-00			1.2255E 00	1.1206E-00			1.2375E 00	1.1060E-00		
30.00	1.1789E 00	1.1442E-00		1.2088E 00	1.1560E-00			1.2276E 00	1.1565E-00			1.2400E 00	1.1505E-00		
50.00	1.1797E 00	1.1587E-00		1.2101E 00	1.1781E-00			1.2293E 00	1.1801E-00			1.2420E 00	1.1874E-00		
75.00	1.1801E 00	1.1661E-00		1.2107E 00	1.1893E-00			1.2301E 00	1.2011E-00			1.2430E 00	1.2063E-00		
100.00	1.1803E 00	1.1698E-00		1.2111E 00	1.1949E-00			1.2306E 00	1.2087E-00			1.2435E 00	1.2159E-00		
150.00	1.1805E 00	1.1735E-00		1.2114E 00	1.2006E-00			1.2310E 00	1.2156E-00			1.2441E 00	1.2256E-00		
200.00	1.1806E 00	1.1753E-00		1.2115E 00	1.2035E-00			1.2312E 00	1.2202E-00			1.2443E 00	1.2304E-00		
300.00	1.1807E 00	1.1772E-00		1.2117E 00	1.2063E-00			1.2314E 00	1.2241E-00			1.2446E 00	1.2353E-00		
400.00	1.1808E 00	1.1781E-00		1.2118E 00	1.2077E-00			1.2315E 00	1.2260E-00			1.2447E 00	1.2377E-00		
500.00	1.1808E 00	1.1787E-00		1.2118E 00	1.2086E-00			1.2316E 00	1.2272E-00			1.2448E 00	1.2392E-00		
750.00	1.1808E 00	1.1794E-00		1.2119E 00	1.2097E-00			1.2317E 00	1.2287E-00			1.2449E 00	1.2412E-00		
1000.00	1.1808E 00	1.1798E-00		1.2119E 00	1.2103E-00			1.2317E 00	1.2295E-00			1.2450E 00	1.2422E-00		
2000.00	1.1809E 00	1.1803E-00		1.2120E 00	1.2112E-00			1.2318E 00	1.2307E-00			1.2450E 00	1.2436E-00		
3000.00	1.1809E 00	1.1805E-00		1.2120E 00	1.2115E-00			1.2318E 00	1.2311E-00			1.2451E 00	1.2441E-00		
4000.00	1.1809E 00	1.1806E-00		1.2120E 00	1.2116E-00			1.2318E 00	1.2313E-00			1.2451E 00	1.2444E-00		
5000.00	1.1809E 00	1.1807E-00		1.2120E 00	1.2117E-00			1.2318E 00	1.2314E-00			1.2451E 00	1.2445E-00		
6000.00	1.1809E 00	1.1807E-00		1.2120E 00	1.2117E-00			1.2318E 00	1.2315E-00			1.2451E 00	1.2446E-00		
7000.00	1.1809E 00	1.1807E-00		1.2120E 00	1.2118E-00			1.2318E 00	1.2315E-00			1.2451E 00	1.2447E-00		
8000.00	1.1809E 00	1.1808E-00		1.2120E 00	1.2118E-00			1.2318E 00	1.2316E-00			1.2451E 00	1.2447E-00		
9000.00	1.1809E 00	1.1808E-00		1.2120E 00	1.2118E-00			1.2318E 00	1.2316E-00			1.2451E 00	1.2448E-00		
10000.00	1.1809E 00	1.1808E-00		1.2120E 00	1.2119E-00			1.2318E 00	1.2316E-00			1.2451E 00	1.2448E-00		
INF	1.1809E 00	1.1809E-00		1.2120E 00	1.2120E-00			1.2318E 00	1.2318E-00			1.2451E 00	1.2451E-00		

TAU = 3.000 TAU = 3.500 TAU = 4.000 TAU = 4.500

<i>z</i>	<i>x</i>	<i>y</i>		<i>x</i>	<i>y</i>			<i>x</i>	<i>y</i>			<i>x</i>	<i>y</i>		
0.01	1.0071E 00	1.2502E-04		1.0071E 00	9.0477E-05			1.0071E 00	6.7306E-05			1.0071E 00	5.1311E-05		
0.05	1.0256E 00	6.5451E-04		1.0256E 00	4.7254E-04			1.0256E 00	3.5076E-04			1.0256E 00	2.6689E-04		
0.10	1.0420E 00	1.3797E-03		1.0420E 00	9.9271E-04			1.0420E 00	7.3471E-04			1.0420E 00	5.5757E-04		
0.20	1.0661E 00	3.0620E-03		1.0661E 00	2.1851E-03			1.0661E 00	1.6060E-03			1.0661E 00	1.2115E-03		
0.30	1.0942E 00	5.1841E-03		1.0843E 00	3.6350E-03			1.0843E 00	2.6428E-03			1.0843E 00	1.9775E-03		
0.40	1.0988E 00	8.3265E-03		1.0988E 00	5.5749E-03			1.0988E 00	3.9444E-03			1.0989E 00	2.9024E-03		
0.50	1.1109E 00	1.3579E-02		1.1109E 00	8.5484E-03			1.1109E 00	5.8633E-03			1.1110E 00	4.1300E-03		
0.60	1.1121E 00	2.1867E-02		1.1213E 00	1.3415E-02			1.1213E 00	8.7051E-03			1.1213E 00	5.9524E-03		
0.80	1.1379E 00	4.8384E-02		1.1381E 00	3.0272E-02			1.1382E 00	1.9418E-02			1.1382E 00	1.2818E-02		
1.00	1.1509E 00	8.5646E-02		1.1512E 00	5.6644E-02			1.1514E 00	3.7806E-02			1.1515E 00	2.5534E-02		
1.50	1.1735E 00	1.9874E-01		1.1744E 00	1.4761E-01			1.1747E 00	1.0595E-01			1.1752E 00	8.1403E-02		
2.00	1.1818E 00	3.1034E-01		1.1896E 00	2.4719E-01			1.1904E 00	1.9654E-01			1.1909E 00	1.5611E-01		
3.00	1.2057E 00	4.9029E-01		1.2081E 00	4.2084E-01			1.2096E 00	3.6051F-01			1.2106E 00	3.0383E-01		
4.00	1.2160E 00	6.1842E-01		1.2190E 00	5.5175E-01			1.2211E 00	4.9133E-01			1.2224E 00	4.3692E-01		
5.00	1.2226E 00	7.1153E-01		1.2262E 00	6.4993E-01			1.2286E 00	5.9275E-01			1.2303E 00	5.3957E-01		
7.50	1.2323E 00	8.5869E-01		1.2367E 00	8.0958E-01			1.2397E 00	7.6198E-01			1.2418E 00	7.1632E-01		
10.00	1.2374E 00	9.4363E-01		1.2423E 00	9.0401E-01			1.2457E 00	8.6459E-01			1.2481E 00	8.2596E-01		
15.00	1.2428E 00	1.0373E-00		1.2482E 00	1.0098E-00			1.2520E 00	9.8140E-01			1.2548E 00	9.5281E-01		
20.00	1.2456E 00	1.0877E-00		1.2512E 00	1.0673E-00			1.2553E 00	1.0457E-00			1.2583E 00	1.0235E-00		
30.00	1.2484E 00	1.1406E-00		1.2544E 00	1.1282E-00			1.2587E 00	1.1144E-00			1.2619E 00	1.0996E-00		
50.00	1.2508E 00	1.1847E-00		1.2570E 00	1.1795E-00			1.2615E 00	1.1726E-00			1.2649E 00	1.1646E-00		
75.00	1.2519E 00	1.2075E-00		1.2583E 00	1.2060E-00			1.2629E 00	1.2029E-00			1.2664E 00	1.1985E-00		
100.00	1.2525E 00	1.2190E-00		1.2589E 00	1.2195E-00			1.2636E 00	1.2193E-00			1.2672E 00	1.2159E-00		
150.00	1.2531E 00	1.2307E-00		1.2596E 00	1.2322E-00			1.2644E 00	1.2339E-00			1.2679E 00	1.2335E-00		
200.00	1.2534E 00	1.2365E-00		1.2607E 00	1.2553F-00			1.2655E 00	1.2594E-00			1.2683E 00	1.2242E-00		
300.00	1.2537E 00	1.2424E-00		1.2603E 00	1.2470E-00			1.2651E 00	1.2498E-00			1.2687E 00	1.2514E-00		
400.00	1.2539E 00	1.2454E-00		1.2604E 00	1.2505E-00			1.2653E 00	1.2538E-00						

OMEGA = 0.40

TAU = 5.000				TAU = 7.500				TAU = 10.00				TAU = 15.00				
Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	
0.01	1.0071E 00	3.9999E-05	1.0071E 00	1.4911E-05	1.0071E 00	7.4425E-06	1.0071E 00	2.8777E-06	1.0071E 00	2.8777E-06	1.0071E 00	2.8777E-06	1.0071E 00	2.8777E-06	1.0071E 00	2.8777E-06
0.05	1.0256E 00	2.0762E-04	1.0256E 00	7.6927E-05	1.0256E 00	3.8261E-05	1.0256E 00	1.4777E-05	1.0256E 00	1.4777E-05	1.0256E 00	1.4777E-05	1.0256E 00	1.4777E-05	1.0256E 00	1.4777E-05
0.10	1.0420E 00	4.3276E-04	1.0420E 00	1.5900E-04	1.0420E 00	7.8711E-05	1.0420E 00	3.0255E-05	1.0420E 00	3.0255E-05	1.0420E 00	3.0255E-05	1.0420E 00	3.0255E-05	1.0420E 00	3.0255E-05
0.20	1.0661E 00	9.3532E-04	1.0661E 00	3.3725E-04	1.0661E 00	1.6555E-04	1.0661E 00	6.2908E-05	1.0661E 00	6.2908E-05	1.0661E 00	6.2908E-05	1.0661E 00	6.2908E-05	1.0661E 00	6.2908E-05
0.30	1.0843E 00	1.9165E-03	1.0843E 00	5.3477E-04	1.0843E 00	2.5902E-04	1.0843E 00	9.7569E-05	1.0843E 00	9.7569E-05	1.0843E 00	9.7569E-05	1.0843E 00	9.7569E-05	1.0843E 00	9.7569E-05
0.40	1.0989E 00	2.2010E-03	1.0989E 00	7.5379E-04	1.0989E 00	3.6022E-04	1.0989E 00	1.3412E-04	1.0989E 00	1.3412E-04	1.0989E 00	1.3412E-04	1.0989E 00	1.3412E-04	1.0989E 00	1.3412E-04
0.50	1.1110E 00	3.0602E-03	1.1110E 00	9.9878E-04	1.1110E 00	4.6951E-04	1.1110E 00	1.7255E-04	1.1110E 00	1.7255E-04	1.1110E 00	1.7255E-04	1.1110E 00	1.7255E-04	1.1110E 00	1.7255E-04
0.60	1.1214E 00	4.2613E-03	1.1214E 00	1.2798E-03	1.1214E 00	5.8810E-04	1.1214E 00	2.1292E-04	1.1214E 00	2.1292E-04	1.1214E 00	2.1292E-04	1.1214E 00	2.1292E-04	1.1214E 00	2.1292E-04
0.70	1.1303E 00	8.7320E-03	1.1303E 00	2.0560E-03	1.1303E 00	8.6531E-04	1.1303E 00	2.9992E-04	1.1303E 00	2.9992E-04	1.1303E 00	2.9992E-04	1.1303E 00	2.9992E-04	1.1303E 00	2.9992E-04
0.80	1.1516E 00	1.7495E-02	1.1516E 00	3.5595E-03	1.1516E 00	1.2590E-03	1.1516E 00	3.9716E-04	1.1516E 00	3.9716E-04	1.1516E 00	3.9716E-04	1.1516E 00	3.9716E-04	1.1516E 00	3.9716E-04
1.00	1.1754E 00	6.0551E-02	1.1754E 00	1.4485E-02	1.1754E 00	4.0971E-03	1.1754E 00	7.6620E-04	1.1754E 00	7.6620E-04	1.1754E 00	7.6620E-04	1.1754E 00	7.6620E-04	1.1754E 00	7.6620E-04
1.50	1.1913E 00	1.2393E-01	1.1913E 00	3.9248E-02	1.1913E 00	1.2900E-02	1.1913E 00	3.8940E-03	1.1913E 00	3.8940E-03	1.1913E 00	3.8940E-03	1.1913E 00	3.8940E-03	1.1913E 00	3.8940E-03
2.00	1.2112E 00	2.6354E-01	1.2112E 00	1.1921E-01	1.2112E 00	2.1270E-02	1.2112E 00	5.3858E-02	1.2112E 00	5.3858E-02	1.2112E 00	5.3858E-02	1.2112E 00	5.3858E-02	1.2112E 00	5.3858E-02
3.00	1.2233E 00	3.8815E-01	1.2233E 00	2.1303E-01	1.2233E 00	1.2256E-01	1.2233E 00	1.632E-01	1.2233E 00	1.632E-01	1.2233E 00	1.632E-01	1.2233E 00	1.632E-01	1.2233E 00	1.632E-01
4.00	1.2314E 00	4.9084E-01	1.2314E 00	3.0338E-01	1.2314E 00	1.2345E-01	1.2314E 00	1.8648E-01	1.2314E 00	1.8648E-01	1.2314E 00	1.8648E-01	1.2314E 00	1.8648E-01	1.2314E 00	1.8648E-01
5.00	1.2464E 00	1.0842E-00	1.2464E 00	1.0049E-00	1.2464E 00	9.2772E-01	1.2464E 00	7.8797E-01	1.2464E 00	7.8797E-01	1.2464E 00	7.8797E-01	1.2464E 00	7.8797E-01	1.2464E 00	7.8797E-01
7.50	1.2434E 00	6.7281E-01	1.2434E 00	4.8836E-01	1.2434E 00	3.5265E-01	1.2434E 00	1.8304E-01	1.2434E 00	1.8304E-01	1.2434E 00	1.8304E-01	1.2434E 00	1.8304E-01	1.2434E 00	1.8304E-01
10.00	1.2499E 00	7.8840E-01	1.2499E 00	6.2062E-01	1.2499E 00	4.8820E-01	1.2499E 00	2.9708E-01	1.2499E 00	2.9708E-01	1.2499E 00	2.9708E-01	1.2499E 00	2.9708E-01	1.2499E 00	2.9708E-01
15.00	1.2559E 00	9.2434E-01	1.2559E 00	7.8941E-01	1.2559E 00	6.7123E-01	1.2559E 00	4.8337E-01	1.2559E 00	4.8337E-01	1.2559E 00	4.8337E-01	1.2559E 00	4.8337E-01	1.2559E 00	4.8337E-01
20.00	1.2606E 00	1.0010E 00	1.2606E 00	8.9057E-01	1.2606E 00	7.6902E-01	1.2606E 00	5.4378E-01	1.2606E 00	5.4378E-01	1.2606E 00	5.4378E-01	1.2606E 00	5.4378E-01	1.2606E 00	5.4378E-01
30.00	1.2644E 00	1.0842E-00	1.2644E 00	1.0049E-00	1.2644E 00	9.2772E-01	1.2644E 00	7.8797E-01	1.2644E 00	7.8797E-01	1.2644E 00	7.8797E-01	1.2644E 00	7.8797E-01	1.2644E 00	7.8797E-01
50.00	1.2675E 00	1.1558E 00	1.2675E 00	1.0707E 00	1.2675E 00	1.0562E 00	1.2675E 00	9.5849E-01	1.2675E 00	9.5849E-01	1.2675E 00	9.5849E-01	1.2675E 00	9.5849E-01	1.2675E 00	9.5849E-01
75.00	1.2691E 00	1.1934E 00	1.2691E 00	1.1619E 00	1.2691E 00	1.1217E 00	1.2691E 00	1.0572E 00	1.2691E 00	1.0572E 00	1.2691E 00	1.0572E 00	1.2691E 00	1.0572E 00	1.2691E 00	1.0572E 00
100.00	1.2699E 00	1.2127E 00	1.2699E 00	1.1904E 00	1.2699E 00	1.1434E 00	1.2699E 00	1.1040E 00	1.2699E 00	1.1040E 00	1.2699E 00	1.1040E 00	1.2699E 00	1.1040E 00	1.2699E 00	1.1040E 00
150.00	1.2707E 00	1.2322E 00	1.2707E 00	2.1195E 00	1.2707E 00	1.2027E 00	1.2707E 00	1.2248E 00	1.2707E 00	1.2248E 00	1.2707E 00	1.2248E 00	1.2707E 00	1.2248E 00	1.2707E 00	1.2248E 00
200.00	1.2711E 00	1.2421E 00	1.2711E 00	2.1344E 00	1.2711E 00	1.2242E 00	1.2711E 00	1.2242E 00	1.2711E 00	1.2242E 00	1.2711E 00	1.2242E 00	1.2711E 00	1.2242E 00	1.2711E 00	1.2242E 00
300.00	1.2715E 00	1.2521E 00	1.2715E 00	2.1495E 00	1.2715E 00	1.2424E 00	1.2715E 00	1.2424E 00	1.2715E 00	1.2424E 00	1.2715E 00	1.2424E 00	1.2715E 00	1.2424E 00	1.2715E 00	1.2424E 00
400.00	1.2717E 00	1.2571E 00	1.2717E 00	2.1571E 00	1.2717E 00	1.2452E 00	1.2717E 00	1.2452E 00	1.2717E 00	1.2452E 00	1.2717E 00	1.2452E 00	1.2717E 00	1.2452E 00	1.2717E 00	1.2452E 00
500.00	1.2718E 00	1.2602E 00	1.2718E 00	2.1595E 00	1.2718E 00	1.2484E 00	1.2718E 00	1.2484E 00	1.2718E 00	1.2484E 00	1.2718E 00	1.2484E 00	1.2718E 00	1.2484E 00	1.2718E 00	1.2484E 00
750.00	1.2720E 00	1.2624E 00	1.2720E 00	2.1604E 00	1.2720E 00	1.2487E 00	1.2720E 00	1.2487E 00	1.2720E 00	1.2487E 00	1.2720E 00	1.2487E 00	1.2720E 00	1.2487E 00	1.2720E 00	1.2487E 00
1000.00	1.2721E 00	1.2662E 00	1.2721E 00	2.1636E 00	1.2721E 00	1.2500E 00	1.2721E 00	1.2500E 00	1.2721E 00	1.2500E 00	1.2721E 00	1.2500E 00	1.2721E 00	1.2500E 00	1.2721E 00	1.2500E 00
INF	1.2723E 00	1.2723E 00	1.2723E 00	1.2801E 00	1.2723E 00	1.2835E 00	1.2723E 00	1.2835E 00	1.2723E 00	1.2835E 00	1.2723E 00	1.2835E 00	1.2723E 00	1.2835E 00	1.2723E 00	1.2835E 00

TAU = 20.00				TAU = 25.00				TAU = 30.00				TAU = 40.00				
Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	
0.01	1.0071E 00	1.4934E-06	1.0071E 00	9.1403E-07	1.0071E 00	6.3015E-07	1.0071E 00	3.0798E-06	1.0071E 00	3.0798E-06	1.0071E 00	3.0798E-06	1.0071E 00	3.0798E-06	1.0071E 00	3.0798E-06
0.05	1.0256E 00	7.6695E-06	1.0256E 00	4.6473E-06	1.0256E 00	3.0798E-06	1.0256E 00	1.6759E-06	1.0256E 00	1.6759E-06	1.0256E 00	1.6759E-06	1.0256E 00	1.6759E-06	1.0256E 00	1.6759E-06
0.10	1.0420E 00	1.5673E-05	1.0420E 00	9.4908E-06	1.0420E 00	6.3117E-06	1.0420E 00	3.0255E-05	1.0420E 00	3.0255E-05	1.0420E 00	3.0255E-05	1.0420E 00	3.0255E-05	1.0420E 00	3.0255E-05
0.20	1.0661E 00	3.2449E-05	1.0661E 00	1.9604E-05	1.0661E 00	1.3036E-05	1.0661E 00	1.0661E-05	1.0661E 00	1.0661E-05	1.0661E 00	1.0661E-05	1.0661E 00	1.0661E-05	1.0661E 00	1.0661E-05
0.30	1.0843E 00	5.0095E-05	1.0843E 00	3.0187E-05	1.0843E 00	2.0494E-05	1.0843E 00	1.0767E-05	1.0843E 00	1.0767E-05	1.0843E 00	1.0767E-05	1.0843E 00	1.0767E-05	1.0843E 00	1.0767E-05
0.40	1.0989E 00	6.8522E-05	1.0989E 00	4.1181E-05	1.0989E 00	2.7308E-05	1.0989E 00	1.4627E-05	1.0989E 00	1.4627E-05	1.0989E 00	1.4627E-05	1.0989E 00	1.4627E-05	1.0989E 00	1.4627E-05
0.50	1.1110E 00	9.7692E-05	1.1110E 00	5.2552E-05	1.1110E 00	3.4749E-05	1.1110E 00	1.8587E-05	1.1110E 00	1.8587E-05	1.1110E 00	1.8587E-05	1.1110E 00	1.8587E-05	1.1110E 00	1.8587E-05
0.60	1.1214E 00	1.0754E-04	1.1214E 00	6.4282E-05	1.1214E 00	4.2474E-05	1.1214E 00	2.1263E-05	1.1214E 00	2.1263E-05	1.1214E 00	2.1263E-05	1.1214E 00	2.1263E-05	1.1214E 00	2.1263E-05
0.80	1.1303E 00	1.4959E-04	1.1303E 00	8.8796E-05	1.1303E 00	5.8449E-05	1.1303E 00	3.0982E-05	1.1303E 00	3.0982E-05	1.1303E 00	3.0982E-05	1.1303E 00	3.0982E-05	1.1303E 00	3.0982E-05
1.00	1.1516E 00	1.9471E-04	1.1516E 00	1.1472E-04	1.1516E 00	7.5191E-05	1.1516E 00	3.9637E-05	1.1516E 00	3.9637E-05	1.1516E 00	3.9637E-05	1.1516E 00	3.9637E-05	1.1516E 00	3.9637E-05
1.50	1.1756E 00	3.2674E-04	1.1756E 00	1.8645E-04	1.1756E 00	1.2054E-04	1.1756E 00	6.2570E-								

OMEGA = 0.40								
	TAU = 50.00		TAU = 75.00		TAU = 100.0		TAU = 200.0	
Z	X	Y	X	Y	X	Y	X	Y
0.01	1.0071E 00	2.1519E-07	1.0071E 00	1.0627E-07	1.0071E 00	6.25558E-08	1.0071E 00	7.6144E-09
0.05	1.0256E 00	1.0828E-06	1.0256E 00	5.4170E-07	1.0256E 00	3.1452E-07	1.0256E 00	3.9524E-08
0.10	1.0420E 00	2.2074E-06	1.0420E 00	1.1021E-06	1.0420E 00	6.4070E-07	1.0420E 00	8.0156E-08
0.20	1.0661E 00	4.5364E-06	1.0661E 00	2.2605E-06	1.0661E 00	1.3146E-06	1.0661E 00	1.6441E-07
0.30	1.0843E 00	6.9474E-06	1.0843E 00	3.4564E-06	1.0843E 00	2.0100E-06	1.0843E 00	2.5123E-07
0.40	1.0989E 00	9.4241E-06	1.0989E 00	4.6813E-06	1.0989E 00	2.7219E-06	1.0989E 00	3.4020E-07
0.50	1.1110E 00	1.1957E-05	1.1110E 00	5.9302E-06	1.1110E 00	3.4475E-06	1.1110E 00	4.3095E-07
0.60	1.1214E 00	1.4538E-05	1.1214E 00	7.1994E-06	1.1214E 00	4.1846E-06	1.1214E 00	5.2278E-07
0.80	1.1383E 00	1.9833E-05	1.1383E 00	9.7900E-06	1.1383E 00	5.6800E-06	1.1383E 00	1.0666E-07
1.00	1.1516E 00	2.5265E-05	1.1516E 00	1.2440E-05	1.1516E 00	7.2245E-06	1.1516E 00	8.9959E-07
1.50	1.1756E 00	3.9539E-05	1.1756E 00	1.9280E-05	1.1756E 00	1.1183E-05	1.1756E 00	1.3966E-06
2.00	1.1918E 00	5.4659E-05	1.1918E 00	2.6386E-05	1.1918E 00	1.5283E-05	1.1918E 00	1.9023E-06
3.00	1.2127E 00	8.7838E-05	1.2127E 00	4.1330E-05	1.2127E 00	2.3865E-05	1.2127E 00	2.9771E-06
4.00	1.2256E 00	1.3103E-04	1.2256E 00	5.7287E-05	1.2256E 00	3.2900E-05	1.2256E 00	4.1031E-06
5.00	1.2349E 00	2.3321E-04	1.2349E 00	7.4810E-05	1.2349E 00	4.2433E-05	1.2349E 00	5.2867E-06
7.50	1.2489E 00	2.0262E-03	1.2489E 00	1.8561E-04	1.2489E 00	7.0902E-05	1.2489E 00	8.5134E-06
10.00	1.2571E 00	9.4343E-03	1.2571E 00	9.2451E-04	1.2571E 00	1.6026E-04	1.2571E 00	1.2177E-05
15.00	1.2662E 00	4.7679E-02	1.2663E 00	9.2135E-03	1.2663E 00	1.8565E-03	1.2663E 00	2.3317E-05
20.00	1.2713E 00	1.0833E-01	1.2714E 00	3.1288E-02	1.2714E 00	9.1036E-03	1.2714E 00	9.2921E-05
30.00	1.2769E 00	2.4695E-01	1.2769E 00	1.0763E-01	1.2770E 00	4.6946E-02	1.2770E 00	1.7305E-03
50.00	1.2817E 00	4.7810E-01	1.2819E 00	2.9035E-01	1.2819E 00	1.7631E-01	1.2819E 00	2.3943E-02
75.00	1.2843E 00	6.6546E-01	1.2845E 00	4.7722E-01	1.2846E 00	3.4210E-01	1.2847E 00	9.0340E-02
100.00	1.2856E 00	7.8515E-01	1.2859E 00	6.1189E-01	1.2860E 00	4.6767E-01	1.2861E 00	1.7557E-01
150.00	1.2870E 00	9.2641E-01	1.2873E 00	7.8462E-01	1.2875E 00	6.6446E-01	1.2876E 00	3.4134E-01
200.00	1.2877E 00	1.0063E 00	1.2881E 00	8.8851E-01	1.2882E 00	7.8436E-01	1.2884E 00	4.7598E-01
300.00	1.2884E 00	1.0931E 00	1.2888E 00	1.0062E 00	1.2890E 00	9.2598E-01	1.2892E 00	6.6377E-01
400.00	1.2888E 00	1.1393E 00	1.2892E 00	1.0707E 00	1.2894E 00	1.0061E 00	1.2896E 00	7.8384E-01
500.00	1.2890E 00	1.1679E 00	1.2894E 00	1.1114E 00	1.2896E 00	1.0575E 00	1.2899E 00	8.6609E-01
750.00	1.2893E 00	1.2072E 00	1.2897E 00	1.1681E 00	1.2900E 00	1.1301E 00	1.2902E 00	9.8933E-01
1000.00	1.2894E 00	1.2274E 00	1.2899E 00	1.1976E 00	1.2901E 00	1.1682E 00	1.2904E 00	1.0574E 00
2000.00	1.2897E 00	1.2582E 00	1.2901E 00	1.2431E 00	1.2904E 00	1.2279E 00	1.2907E 00	1.1643F 00
3000.00	1.2898E 00	1.2687E 00	1.2902E 00	1.2586E 00	1.2904E 00	1.2495E 00	1.2908E 00	1.2079E 00
4000.00	1.2898E 00	1.2740E 00	1.2902E 00	1.2665E 00	1.2905E 00	1.2589E 00	1.2908E 00	1.2281F 00
5000.00	1.2898E 00	1.2771E 00	1.2903E 00	1.2712E 00	1.2905E 00	1.2652E 00	1.2908E 00	1.2404E 00
6000.00	1.2898E 00	1.2792E 00	1.2903E 00	1.2744E 00	1.2905E 00	1.2694E 00	1.2909E 00	1.2407E 00
7000.00	1.2898E 00	1.2808E 00	1.2903E 00	1.2767E 00	1.2905E 00	1.2724E 00	1.2909E 00	1.2547E 00
8000.00	1.2898E 00	1.2819E 00	1.2903E 00	1.2784E 00	1.2906E 00	1.2746E 00	1.2909E 00	1.2591E 00
9000.00	1.2898E 00	1.2826E 00	1.2903E 00	1.2797E 00	1.2906E 00	1.2764E 00	1.2909E 00	1.2526E 00
10000.00	1.2898E 00	1.2835E 00	1.2903E 00	1.2808E 00	1.2906E 00	1.2778E 00	1.2909E 00	1.2654E 00
INF	1.2899E 00	1.2899E 00	1.2904E 00	1.2904E 00	1.2906E 00	1.2906E 00	1.2909E 00	1.2909E 00
TAU = 234.2								
Z	X	Y	X	Y	X	Y	X	Y
0.01	1.0071E 00	4.6431E-09						
0.05	1.0256E 00	1.8401E-08						
0.10	1.0420E 00	3.8585E-08						
0.20	1.0661E 00	7.9975E-08						
0.30	1.0843E 00	1.2264E-07						
0.40	1.0989E 00	1.6631E-07						
0.50	1.1110E 00	2.1081E-07						
0.60	1.1214E 00	2.5602E-07						
0.80	1.1383E 00	3.4821E-07						
1.00	1.1516E 00	4.4242E-07						
1.50	1.1756E 00	6.8509E-07						
2.00	1.1918E 00	9.3634E-07						
3.00	1.2127E 00	1.4612E-06						
4.00	1.2256E 00	2.0142E-06						
5.00	1.2349E 00	2.5954E-06						
7.50	1.2489E 00	4.1799E-06						
10.00	1.2571E 00	5.9776E-06						
15.00	1.2663E 00	1.0614E-05						
20.00	1.2714E 00	2.7138E-05						
30.00	1.2770E 00	5.6615E-04						
50.00	1.2819E 00	1.2099E-02						
75.00	1.2847E 00	5.7249E-02						
100.00	1.2861E 00	1.2469E-01						
150.00	1.2876E 00	2.7170E-01						
200.00	1.2884E 00	4.0111E-01						
300.00	1.2892E 00	5.9219E-01						
400.00	1.2897E 00	7.1956E-01						
500.00	1.2899E 00	8.0879E-01						
750.00	1.2903E 00	9.4521E-01						
1000.00	1.2904E 00	1.0218E 00						
2000.00	1.2907E 00	1.1485E 00						
3000.00	1.2908E 00	1.1942E 00						
4000.00	1.2908E 00	1.2177E 00						
5000.00	1.2909E 00	1.2320E 00						
6000.00	1.2909E 00	1.2416E 00						
7000.00	1.2909E 00	1.2486E 00						
8000.00	1.2909E 00	1.2538E 00						
9000.00	1.2909E 00	1.2579E 00						
10000.00	1.2909E 00	1.2611E 00						
INF	1.2910E 00	1.2910E 00						

OMEGA = C.50

TAU = 0.050				TAU = 0.100				TAU = 0.200				TAU = 0.300				
<i>z</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	
0.01	1.0086E 00	1.2150E-02	1.0087E 00	4.1411E-03	1.0088E 00	3.0047E-03	1.0089E 00	2.3998E-03	1.0089E 00	2.3998E-03	1.0089E 00	2.3998E-03	1.0089E 00	2.3998E-03	1.0089E 00	2.3998E-03
0.05	1.0229E 00	3.8811E-01	1.0285E 00	1.5660E-01	1.0312E 00	3.5429E-02	1.0318E 00	1.5977E-02	1.0318E 00	1.5977E-02	1.0318E 00	1.5977E-02	1.0318E 00	1.5977E-02	1.0318E 00	1.5977E-02
0.10	1.0276E 00	6.3249E-01	1.0388E 00	4.0113E-01	1.0479E 00	1.6913E-01	1.0510E 00	7.9133E-02	1.0510E 00	7.9133E-02	1.0510E 00	7.9133E-02	1.0510E 00	7.9133E-02	1.0510E 00	7.9133E-02
0.20	1.0306E 00	8.0845E-01	1.0464E 00	6.4949E-01	1.0642E 00	4.2142E-01	1.0732E 00	2.7724E-01	1.0732E 00	2.7724E-01	1.0732E 00	2.7724E-01	1.0732E 00	2.7724E-01	1.0732E 00	2.7724E-01
0.30	1.0317E 00	8.7751E-01	1.0495E 00	7.6355E-01	1.0720E 00	5.7707E-01	1.0851E 00	4.3716E-01	1.0851E 00	4.3716E-01	1.0851E 00	4.3716E-01	1.0851E 00	4.3716E-01	1.0851E 00	4.3716E-01
0.40	1.0323E 00	9.1423E-01	1.0512E 00	8.2804E-01	1.0764E 00	6.7620E-01	1.0923E 00	5.5142E-01	1.0923E 00	5.5142E-01	1.0923E 00	5.5142E-01	1.0923E 00	5.5142E-01	1.0923E 00	5.5142E-01
0.50	1.0326E 00	9.3703E-01	1.0522E 00	8.6933E-01	1.0793E 00	7.4396E-01	1.0972E 00	6.3461E-01	1.0972E 00	6.3461E-01	1.0972E 00	6.3461E-01	1.0972E 00	6.3461E-01	1.0972E 00	6.3461E-01
0.60	1.0328E 00	9.5254E-01	1.0529E 00	8.9807E-01	1.0813E 00	7.9297E-01	1.1067E 00	6.9724E-01	1.1067E 00	6.9724E-01	1.1067E 00	6.9724E-01	1.1067E 00	6.9724E-01	1.1067E 00	6.9724E-01
0.80	1.0331E 00	9.7228E-01	1.0539E 00	9.3531E-01	1.0839E 00	8.5894E-01	1.1053E 00	7.8466E-01	1.1053E 00	7.8466E-01	1.1053E 00	7.8466E-01	1.1053E 00	7.8466E-01	1.1053E 00	7.8466E-01
1.00	1.0335E 00	9.8433E-01	1.0564E 00	9.5841E-01	1.0954E 00	9.0120E-01	1.1082E 00	8.4248E-01	1.1082E 00	8.4248E-01	1.1082E 00	8.4248E-01	1.1082E 00	8.4248E-01	1.1082E 00	8.4248E-01
1.50	1.0336E 00	1.0006E 00	1.0552E 00	9.9011E-01	1.0879E 00	9.6089E-01	1.1124E 00	9.2650E-01	1.1124E 00	9.2650E-01	1.1124E 00	9.2650E-01	1.1124E 00	9.2650E-01	1.1124E 00	9.2650E-01
2.00	1.0337E 00	1.0089E 00	1.0565E 00	1.0044E 00	1.0890E 00	9.9223E-01	1.1145E 00	9.7170E-01	1.1145E 00	9.7170E-01	1.1145E 00	9.7170E-01	1.1145E 00	9.7170E-01	1.1145E 00	9.7170E-01
3.00	1.0338E 00	1.0172E 00	1.0599E 00	1.0229E 00	1.0902E 00	1.0246E 00	1.1168E 00	1.0192E 00	1.1168E 00	1.0192E 00	1.1168E 00	1.0192E 00	1.1168E 00	1.0192E 00	1.1168E 00	1.0192E 00
4.00	1.0339E 00	1.0214E 00	1.0616E 00	1.0312E 00	1.0908E 00	1.0412E 00	1.1179E 00	1.0438E 00	1.1179E 00	1.0438E 00	1.1179E 00	1.0438E 00	1.1179E 00	1.0438E 00	1.1179E 00	1.0438E 00
5.00	1.0339E 00	1.0239E 00	1.0563E 00	1.0363E 00	1.0912E 00	1.0513E 00	1.1186E 00	1.0589E 00	1.1186E 00	1.0589E 00	1.1186E 00	1.0589E 00	1.1186E 00	1.0589E 00	1.1186E 00	1.0589E 00
7.50	1.0339E 00	1.0273E 00	1.0564E 00	1.0431E 00	1.0917E 00	1.0649E 00	1.1195E 00	1.0793E 00	1.1195E 00	1.0793E 00	1.1195E 00	1.0793E 00	1.1195E 00	1.0793E 00	1.1195E 00	1.0793E 00
10.00	1.0340E 00	1.0290E 00	1.0565E 00	1.0465E 00	1.0919E 00	1.0718E 00	1.1200E 00	1.0897E 00	1.1200E 00	1.0897E 00	1.1200E 00	1.0897E 00	1.1200E 00	1.0897E 00	1.1200E 00	1.0897E 00
15.00	1.0340E 00	1.0306E 00	1.0566E 00	1.0499E 00	1.0922E 00	1.0787E 00	1.1205E 00	1.1002E 00	1.1205E 00	1.1002E 00	1.1205E 00	1.1002E 00	1.1205E 00	1.1002E 00	1.1205E 00	1.1002E 00
20.00	1.0340E 00	1.0315E 00	1.0566E 00	1.0516E 00	1.0923E 00	1.0822E 00	1.1207E 00	1.1056E 00	1.1207E 00	1.1056E 00	1.1207E 00	1.1056E 00	1.1207E 00	1.1056E 00	1.1207E 00	1.1056E 00
30.00	1.0340E 00	1.0323E 00	1.0567E 00	1.0533E 00	1.0924E 00	1.0857E 00	1.1209E 00	1.1107E 00	1.1209E 00	1.1107E 00	1.1209E 00	1.1107E 00	1.1209E 00	1.1107E 00	1.1209E 00	1.1107E 00
50.00	1.0340E 00	1.0330E 00	1.0567E 00	1.0547E 00	1.0925E 00	1.0885E 00	1.1211E 00	1.1150E 00	1.1211E 00	1.1150E 00	1.1211E 00	1.1150E 00	1.1211E 00	1.1150E 00	1.1211E 00	1.1150E 00
75.00	1.0340E 00	1.0334E 00	1.0567E 00	1.0554E 00	1.0926E 00	1.0899E 00	1.1212E 00	1.1171E 00	1.1212E 00	1.1171E 00	1.1212E 00	1.1171E 00	1.1212E 00	1.1171E 00	1.1212E 00	1.1171E 00
100.00	1.0340E 00	1.0335E 00	1.0567E 00	1.0557E 00	1.0926E 00	1.0906E 00	1.1213E 00	1.1182E 00	1.1213E 00	1.1182E 00	1.1213E 00	1.1182E 00	1.1213E 00	1.1182E 00	1.1213E 00	1.1182E 00
150.00	1.0340E 00	1.0337E 00	1.0567E 00	1.0560E 00	1.0926E 00	1.0913E 00	1.1213E 00	1.1193E 00	1.1213E 00	1.1193E 00	1.1213E 00	1.1193E 00	1.1213E 00	1.1193E 00	1.1213E 00	1.1193E 00
200.00	1.0340E 00	1.0338E 00	1.0567E 00	1.0562E 00	1.0927E 00	1.0916E 00	1.1213E 00	1.1198E 00	1.1213E 00	1.1198E 00	1.1213E 00	1.1198E 00	1.1213E 00	1.1198E 00	1.1213E 00	1.1198E 00
300.00	1.0340E 00	1.0339E 00	1.0567E 00	1.0564E 00	1.0927E 00	1.0920E 00	1.1214E 00	1.1203E 00	1.1214E 00	1.1203E 00	1.1214E 00	1.1203E 00	1.1214E 00	1.1203E 00	1.1214E 00	1.1203E 00
400.00	1.0340E 00	1.0339E 00	1.0567E 00	1.0565E 00	1.0927E 00	1.0922E 00	1.1214E 00	1.1206E 00	1.1214E 00	1.1206E 00	1.1214E 00	1.1206E 00	1.1214E 00	1.1206E 00	1.1214E 00	1.1206E 00
500.00	1.0340E 00	1.0340E 00	1.0567E 00	1.0565E 00	1.0927E 00	1.0923E 00	1.1214E 00	1.1208E 00	1.1214E 00	1.1208E 00	1.1214E 00	1.1208E 00	1.1214E 00	1.1208E 00	1.1214E 00	1.1208E 00
1000.00	1.0340E 00	1.0340E 00	1.0567E 00	1.0566E 00	1.0927E 00	1.0925E 00	1.1214E 00	1.1211E 00	1.1214E 00	1.1211E 00	1.1214E 00	1.1211E 00	1.1214E 00	1.1211E 00	1.1214E 00	1.1211E 00
INF	1.0340E 00	1.0340E 00	1.0567E 00	1.0567E 00	1.0927E 00	1.0927E 00	1.1214E 00	1.1214E 00	1.1214E 00	1.1214E 00	1.1214E 00	1.1214E 00	1.1214E 00	1.1214E 00	1.1214E 00	1.1214E 00

TAU = 0.400				TAU = 0.500				TAU = 0.600				TAU = 0.800				
<i>z</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	
0.01	1.0090E 00	2.0022E-03	1.0090E 00	1.7145E-03	1.0090E 00	1.4915E-03	1.0090E 00	1.4915E-03	1.0090E 00	1.4915E-03	1.0090E 00	1.4915E-03	1.0090E 00	1.4915E-03	1.0090E 00	1.4915E-03
0.05	1.0321E 00	1.1403E-02	1.0323E 00	9.4155E-03	1.0324E 00	8.0947E-03	1.0324E 00	8.0947E-03	1.0324E 00	8.0947E-03	1.0324E 00	8.0947E-03	1.0324E 00	8.0947E-03	1.0324E 00	8.0947E-03
0.10	1.0522E 00	4.3072E-02	1.0524E 00	2.7118E-02	1.0532E 00	2.0480E-02	1.0532E 00	2.0480E-02	1.0532E 00	2.0480E-02	1.0532E 00	2.0480E-02	1.0532E 00	2.0480E-02	1.0532E 00	2.0480E-02
0.20	1.0781E 00	1.1880E-01	1.0809E 00	1.2811E-01	1.0826E 00	9.0428E-02	1.0844E 00	5.0760E-02	1.0844E 00	5.0760E-02	1.0844E 00	5.0760E-02	1.0844E 00	5.0760E-02	1.0844E 00	5.0760E-02
0.30	1.0933E 00	3.2828E-01	1.0986E 00	2.5529E-01	1.1021E 00	1.9749E-01	1.1062E 00	1.2190E-01	1.1062E 00	1.2190E-01	1.1062E 00	1.2190E-01	1.1062E 00	1.2190E-01	1.1062E 00	1.2190E-01
0.40	1.1030E 00	4.5007E-01	1.1104E 00	3.6816E-01	1.1156E 00	3.0206E-01	1.1221E 00	2.0569E-01	1.1221E 00	2.0569E-01	1.1221E 00	2.0569E-01	1.1221E 00	2.0569E-01	1.1221E 00	2.0569E-01
0.50	1.1097E 00	5.4083E-01	1.1188E 00	4.6100E-01	1.1254E 00	3.9329E-01	1.1324E 00	2.8745E-01	1.1324E 00	2.8745E-01	1.1324E 00	2.8745E-01	1.1324E 00	2.8745E-01	1.1324E 00	2.8745E-01
0.60	1.1146E 00	5.1187E-01	1.1250E 00	5.3655E-01	1.1329E 00	4.7041E-01	1.1436E 00	3.6186E-01	1.1436E 00	3.6186E-01	1.1436E 00	3.6186E-01	1.1436E 00	3.6186E-01	1.1436E 00	3.6186E-01
0.80	1.1213E 00	7.1472E-01	1.1336E 00	6.4986E-01	1.1433E 00	5.9020E-01	1.1572E 00	4.8577E-01	1.1572E 00	4.8577E-01	1.1572E 00	4.8577E-01	1.1572E 00	4.8577E-01	1.1572E 00	4.8577E-01
1.00	1.1256E 00	7.8493E-01	1.1393E 00	7.2968E-01	1.1503E 00	6.7725E-01	1.1665E 00	5.8145E-01	1.1665E 00	5.8145E-01	1.1665E 00	5.8145E-01	1.1665E 00	5.8145E-01	1.1665E 00	5.8145E-01
1.50	1.1317E 00	8.8986E-01	1.1475E 00	8.5237E-01	1.1605E 00	8.1483E-01	1.1806E 00	7.4131E-01	1.1806E 00	7.4131E-01	1.1806E 00	7.4131E-01	1.1806E 00	7.4131E-01	1.1806E 00	7.4131E-01
2.00	1.1350E 00	9.4767E-01	1.1519E 00	9.2161E-01	1.1661E 00	8.9430E-01	1.1884E 00	8.3803E-01	1.18							

OMEGA = 0.50

TAU = 1.000				TAU = 1.500				TAU = 2.000				TAU = 2.500			
<i>z</i>	<i>x</i>	<i>y</i>		<i>x</i>	<i>y</i>			<i>x</i>	<i>y</i>			<i>x</i>	<i>y</i>		
0.01	1.0091E 00	9.3356E-04		1.0091E 00	5.7660E-04			1.0091E 00	3.8261E-04			1.0091E 00	2.6416E-04		
0.05	1.0327E 00	4.9947E-03		1.0329E 00	3.0721E-03			1.0329E 00	2.0225E-03			1.0329E 00	1.3919E-03		
0.10	1.0539E 00	1.0899E-02		1.0542E 00	6.5911E-03			1.0543E 00	4.3103E-03			1.0544E 00	2.9592E-03		
0.20	1.0852E 00	3.2423E-02		1.0861E 00	1.5814E-02			1.0864E 00	9.8461E-03			1.0865E 00	6.6319E-03		
0.30	1.1082E 00	7.8904E-02		1.1101E 00	3.3217E-02			1.1107E 00	1.8130E-02			1.1109E 00	1.1489E-02		
0.40	1.1257E 00	1.4246E-01		1.1292E 00	6.3049E-02			1.1303E 00	3.2401E-02			1.1307E 00	1.9024E-02		
0.50	1.1393E 00	2.1170E-01		1.1448E 00	1.0299E-01			1.1446E 00	5.4124E-02			1.1473E 00	3.0936E-02		
0.60	1.1501E 00	2.7910E-01		1.1578E 00	1.4871E-01			1.1604E 00	8.2358E-02			1.1614E 00	4.7831E-02		
0.80	1.1662E 00	3.9923E-01		1.1779E 00	2.4466E-01			1.1824E 00	1.5078E-01			1.1843E 00	9.4238E-02		
1.00	1.1776E 00	4.9796E-01		1.1927E 00	3.3496E-01			1.1992E 00	2.2462E-01			1.2021E 00	1.5083E-01		
1.50	1.1951E 00	6.7145E-01		1.2176E 00	5.1744E-01			1.2247E 00	3.9481E-01			1.2331E 00	2.9193E-01		
2.00	1.2050E 00	7.8152E-01		1.2310E 00	6.4726E-01			1.2447E 00	5.2928E-01			1.2522E 00	4.2939E-01		
3.00	1.2159E 00	9.1075E-01		1.2427E 00	8.1170E-01			1.2649E 00	7.1377E-01			1.2754E 00	6.2245E-01		
4.00	1.2217E 00	9.8359E-01		1.2561E 00	9.0993E-01			1.2763E 00	8.3050E-01			1.2888E 00	7.5174E-01		
5.00	1.2259E 00	1.0302E 00		1.2617E 00	9.7479E-01			1.2836E 00	9.1002E-01			1.2974E 00	8.4261E-01		
7.50	1.2303E 00	1.0959E 00		1.2695E 00	1.0689E 00			1.2939E 00	1.0268E 00			1.3297E 00	9.8199E-01		
10.00	1.2329E 00	1.1304E 00		1.2736E 00	1.1194E 00			1.2993E 00	1.0593E 00			1.3162E 00	1.0605E 00		
15.00	1.2355E 00	1.1661E 00		1.2778E 00	1.1725E 00			1.3049E 00	1.1634E 00			1.3230E 00	1.1455E 00		
20.00	1.2368E 00	1.1843E 00		1.2800E 00	1.2000E 00			1.3078E 00	1.1999E 00			1.3266E 00	1.1907E 00		
30.00	1.2382E 00	1.2029E 00		1.2821E 00	1.2281E 00			1.3107E 00	1.2376E 00			1.3301E 00	1.2377E 00		
50.00	1.2392E 00	1.2179E 00		1.2839E 00	1.2512E 00			1.3131E 00	1.2687E 00			1.3331E 00	1.2767E 00		
75.00	1.2398E 00	1.2255E 00		1.2848E 00	1.2628E 00			1.3143E 00	1.2845E 00			1.3345E 00	1.2966E 00		
100.00	1.2400E 00	1.2293E 00		1.2852E 00	1.2687E 00			1.3149E 00	1.2925E 00			1.3355E 00	1.3067E 00		
150.00	1.2403E 00	1.2332E 00		1.2857E 00	1.2766E 00			1.3155E 00	1.3005E 00			1.3360E 00	1.3169E 00		
200.00	1.2405E 00	1.2351E 00		1.2859E 00	1.2776E 00			1.3158E 00	1.3045E 00			1.3364E 00	1.3220E 00		
300.00	1.2406E 00	1.2370E 00		1.2861E 00	1.2806E 00			1.3161E 00	1.3086E 00			1.3368E 00	1.3272E 00		
400.00	1.2407E 00	1.2380E 00		1.2862E 00	1.2821E 00			1.3163E 00	1.3106E 00			1.3370E 00	1.3298E 00		
500.00	1.2407E 00	1.2385E 00		1.2863E 00	1.2830E 00			1.3164E 00	1.3118E 00			1.3371E 00	1.3313E 00		
750.00	1.2408E 00	1.2393E 00		1.2864E 00	1.2842E 00			1.3165E 00	1.3135E 00			1.3372E 00	1.3334E 00		
1000.00	1.2408E 00	1.2397E 00		1.2864E 00	1.2848E 00			1.3166E 00	1.3143E 00			1.3373E 00	1.3344E 00		
2000.00	1.2408E 00	1.2400E 00		1.2865E 00	1.2857E 00			1.3166E 00	1.3155E 00			1.3374E 00	1.3360E 00		
3000.00	1.2408E 00	1.2405E 00		1.2865E 00	1.2860E 00			1.3167E 00	1.3159E 00			1.3375E 00	1.3365E 00		
4000.00	1.2408E 00	1.2406E 00		1.2865E 00	1.2861E 00			1.3167E 00	1.3161E 00			1.3375E 00	1.3368E 00		
5000.00	1.2408E 00	1.2406E 00		1.2865E 00	1.2862E 00			1.3167E 00	1.3162E 00			1.3375E 00	1.3369E 00		
6000.00	1.2409E 00	1.2407E 00		1.2865E 00	1.2863E 00			1.3167E 00	1.3163E 00			1.3375E 00	1.3370E 00		
7000.00	1.2409E 00	1.2407E 00		1.2865E 00	1.2863E 00			1.3167E 00	1.3164E 00			1.3375E 00	1.3371E 00		
8000.00	1.2409E 00	1.2407E 00		1.2865E 00	1.2863E 00			1.3167E 00	1.3164E 00			1.3375E 00	1.3371E 00		
9000.00	1.2409E 00	1.2407E 00		1.2865E 00	1.2864E 00			1.3167E 00	1.3165E 00			1.3375E 00	1.3372E 00		
10000.00	1.2409E 00	1.2407E 00		1.2865E 00	1.2864E 00			1.3167E 00	1.3165E 00			1.3375E 00	1.3372E 00		
INF	1.2409E 00	1.2409E 00		1.2866E 00	1.2866E 00			1.3167E 00	1.3167E 00			1.3375E 00	1.3375E 00		

TAU = 3.000

TAU = 3.500

TAU = 4.000

TAU = 4.500

<i>z</i>	<i>x</i>	<i>y</i>		<i>x</i>	<i>y</i>			<i>x</i>	<i>y</i>			<i>x</i>	<i>y</i>		
0.01	1.0091E 00	1.8859E-04		1.0091E 00	1.3845E-04			1.0091E 00	1.0420E-04			1.0091E 00	8.0146E-05		
0.05	1.0330E 00	9.9116E-04		1.0330E 00	7.2619E-04			1.0330E 00	5.4538E-04			1.0330E 00	4.1876E-04		
0.10	1.0544E 00	2.0952E-03		1.0544E 00	1.5305E-03			1.0545E 00	1.1464E-03			1.0545E 00	8.7924E-04		
0.20	1.0866E 00	4.6613E-03		1.0866E 00	3.3802E-03			1.0866E 00	2.5166E-03			1.0866E 00	1.9176E-03		
0.30	1.1101E 00	7.8595E-03		1.1111E 00	5.6204E-03			1.1111E 00	4.1466E-03			1.1111E 00	3.1375E-03		
0.40	1.1309E 00	1.2314E-02		1.1310E 00	8.5148E-03			1.1310E 00	6.1560E-03			1.1310E 00	4.5980E-03		
0.50	1.1476E 00	1.9147E-02		1.1477E 00	1.2682E-02			1.1478E 00	8.9656E-03			1.1478E 00	6.4632E-03		
0.60	1.1619E 00	2.9265E-02		1.1620E 00	1.8971E-02			1.1621E 00	1.2703E-02			1.1622E 00	9.0476E-03		
0.80	1.1852E 00	5.9973E-02		1.1856E 00	3.9011E-02			1.1858E 00	2.6032E-02			1.1859E 00	1.7856E-02		
1.00	1.2035E 00	1.0176E-01		1.2042E 00	6.9174E-02			1.2045E 00	4.7507E-02			1.2047E 00	3.3043E-02		
1.50	1.2356E 00	2.2575E-01		1.2372E 00	1.7009E-01			1.2381E 00	1.2806E-01			1.2386E 00	9.6474E-02		
2.00	1.2565E 00	4.4654E-01		1.2590E 00	2.7970E-01			1.2605E 00	2.2342E-01			1.2614E 00	1.7916E-01		
3.00	1.2819E 00	5.3980E-01		1.2859E 00	4.6632E-01			1.2884E 00	4.0173E-01			1.2901E 00	3.4539E-01		
4.00	1.2906E 00	6.7674E-01		1.3018E 00	6.0693E-01			1.3052E 00	5.4285E-01			1.3075E 00	4.8459E-01		
5.00	1.3030E 00	7.7603E-01		1.3123E 00	7.1209E-01			1.3132E 00	6.5172E-01			1.3191E 00	5.9543E-01		
10.00	1.3203E 00	9.3264E-01		1.3275E 00	8.8262E-01			1.3286E 00	8.3337E-01			1.3326E 00	7.0543E-01		
15.00	1.3277E 00	1.0229E 00		1.3357E 00	9.8340E-01			1.3414E 00	9.4371E-01			1.3456E 00	9.0307E-01		
20.00	1.3355E 00	1.1224E 00		1.3444E 00	1.0961E 00			1.3508E 00	1.0604E 00			1.3556E 00	1.0390E 00		
30.00	1.3437E 00	1.1758E 00		1.3489E 00	1.1573E 00			1.3557E 00	1.1367E 00			1.3608E 00	1.1146E 00		
50.00	1.3471E 00	1.2786E 00		1.3573E 00	1.2766E 00			1.3649E 00	1.2720E 00			1.3706E 00	1.2654E 00		
75.00	1.3489E 00	1.3072E 00		1.3592E 00	1.3048E 00			1.3670E 00	1.3042E 00			1.3729E 00	1.3017E 00		
100.00	1.3497E 00	1.3150E 00		1.3602E 00	1.3192E 00			1.3680E 00	1.3207E 00			1.3740E 00	1.3202E 00		
150.00	1.3506E 00	1.3273E 00		1.3612E 00	1.3337E 00			1.3691E 00	1.3373E 00			1.3751E 00	1.3390E 00		
200.00	1.3510E 00	1.3335E 00		1.3617E 00	1.3410E 00			1.3696E 00	1.3457E 00			1.3757E 00	1.3485E 00		
300.00	1.3515E 00	1.3398E 00		1.3622E 00	1.3483E 00			1.3694E 00	1.3542E 00			1.3763E 00	1.3581E 00		
400.00	1.3517E 00	1.3429E 00		1.3624E 00	1.3520E 00			1.3705E 00	1.3564E 00			1.3766E 00			

OMEGA = 0.50

	TAU = 5.000		TAU = 7.500		TAU = 10.00		TAU = 15.00	
Z	X	Y	X	Y	X	Y	X	Y
0.01	1.0091E 00	6.2802E-05	1.0091E 00	2.3701E-05	1.0091E 00	1.1774E-05	1.0091E 00	4.5058E-06
0.05	1.0330E 00	3.2802E-04	1.0330E 00	1.2292E-04	1.0330E 00	6.0856E-05	1.0330E 00	2.3195E-05
0.10	1.0545E 00	6.8648E-04	1.0545E 00	2.5527E-04	1.0545E 00	1.2500E-04	1.0545E 00	4.7734E-05
0.20	1.0866E 00	1.4918E-03	1.0866E 00	5.4528E-04	1.0866E 00	2.6609E-04	1.0866E 00	9.9996E-05
0.30	1.1111E 00	2.4267E-03	1.1112E 00	8.6922E-04	1.1112E 00	4.1947E-04	1.1112E 00	1.5598E-04
0.40	1.1311E 00	3.5239E-03	1.1311E 00	1.2302E-03	1.1311E 00	5.8810E-04	1.1311E 00	2.1542E-04
0.50	1.1478E 00	4.8693E-03	1.1478E 00	1.6349E-03	1.1478E 00	7.6698E-04	1.1478E 00	2.7826E-04
0.60	1.1622E 00	6.6488E-03	1.1623E 00	2.0968E-03	1.1623E 00	9.6393E-04	1.1623E 00	3.4455E-04
0.80	1.1859E 00	1.2609E-02	1.1860E 00	3.3306E-03	1.1860E 00	1.4230E-03	1.1860E 00	4.8821E-04
1.00	1.2048E 00	2.3329E-02	1.2049E 00	5.4328E-03	1.2049E 00	2.0494E-03	1.2049E 00	6.4944E-04
1.50	1.2389E 00	7.2794E-02	1.2393E 00	1.8834E-02	1.2394E 00	5.8289E-03	1.2394E 00	1.2308E-03
2.00	1.2620E 00	1.4342E-01	1.2629E 00	4.7364E-02	1.2630E 00	1.6347E-02	1.2630E 00	2.7309E-03
3.00	1.2913E 00	2.9652E-01	1.2934E 00	1.3676E-01	1.2938E 00	6.2895E-02	1.2939E 00	1.3877E-02
4.00	1.3091E 00	4.3195E-01	1.3124E 00	2.4012E-01	1.3132E 00	1.3243E-01	1.3135E 00	4.0394E-02
5.00	1.3211E 00	5.4308E-01	1.3254E 00	3.3902E-01	1.3266E 00	2.0962E-01	1.3271E 00	7.9988E-02
7.50	1.3389E 00	7.3031E-01	1.3452E 00	5.4043E-01	1.3471E 00	3.9118E-01	1.3482E 00	2.0457E-01
10.00	1.3407E 00	8.6363E-01	1.3563E 00	6.3838E-01	1.3588E 00	5.3751E-01	1.3604E 00	3.2973E-01
15.00	1.3592E 00	1.0096E 00	1.3689E 00	8.6652E-01	1.3716E 00	7.3867E-01	1.3740E 00	5.3338E-01
20.00	1.3646E 00	1.0591E 00	1.3747E 00	9.7581E-01	1.3785E 00	8.6647E-01	1.3813E 00	6.7913E-01
30.00	1.3703E 00	1.1810E 00	1.3814E 00	1.0992E 00	1.3898E 00	1.0168E 00	1.3892E 00	8.6522E-01
50.00	1.3750E 00	1.2575E 00	1.3869E 00	1.2029E 00	1.3918E 00	1.1598E 00	1.3959E 00	1.05046E 00
75.00	1.3774E 00	1.2979E 00	1.3898E 00	1.2584E 00	1.3950E 00	1.2324E 00	1.3993E 00	1.1579E 00
100.00	1.3786E 00	1.3185E 00	1.3912E 00	1.2990E 00	1.3966E 00	1.2727E 00	1.4011E 00	1.2155E 00
150.00	1.3798E 00	1.3394E 00	1.3927E 00	1.3350E 00	1.3982E 00	1.3142E 00	1.4029E 00	1.2761E 00
200.00	1.3805E 00	1.3500E 00	1.3934E 00	1.3465E 00	1.3990E 00	1.3359E 00	1.4038E 00	1.3075E 00
300.00	1.3811E 00	1.3607E 00	1.3942E 00	1.3627E 00	1.3998E 00	1.3571E 00	1.4047E 00	1.3397E 00
400.00	1.3814E 00	1.3661E 00	1.3945E 00	1.3708E 00	1.4002E 00	1.3618E 00	1.4051E 00	1.3561E 00
500.00	1.3816E 00	1.3693E 00	1.3948E 00	1.3758E 00	1.4005E 00	1.3747E 00	1.4054E 00	1.3660E 00
750.00	1.3818E 00	1.3736E 00	1.3951E 00	1.3824E 00	1.4008E 00	1.3835E 00	1.4058E 00	1.3794E 00
1000.00	1.3819E 00	1.3758E 00	1.3952E 00	1.3857E 00	1.4010E 00	1.3880E 00	1.4060E 00	1.3861E 00
2000.00	1.3821E 00	1.3790E 00	1.3954E 00	1.3907E 00	1.4012E 00	1.3937E 00	1.4063E 00	1.3963E 00
3000.00	1.3822E 00	1.3810E 00	1.3955E 00	1.3923E 00	1.4013E 00	1.3970E 00	1.4063E 00	1.3997E 00
4000.00	1.3822E 00	1.3930E 00	1.3956E 00	1.3932E 00	1.4013E 00	1.3981E 00	1.4064E 00	1.4014E 00
5000.00	1.3822E 00	1.3938E 00	1.3956E 00	1.3937E 00	1.4014E 00	1.3989E 00	1.4064E 00	1.4024E 00
6000.00	1.3822E 00	1.3810E 00	1.3956E 00	1.3906E 00	1.4014E 00	1.3939E 00	1.4064E 00	1.4031E 00
7000.00	1.3822E 00	1.3811E 00	1.3956E 00	1.3942E 00	1.4014E 00	1.3995E 00	1.4064E 00	1.4036E 00
8000.00	1.3823E 00	1.3813E 00	1.3956E 00	1.3944E 00	1.4014E 00	1.3998E 00	1.4065E 00	1.4040E 00
9000.00	1.3823E 00	1.3816E 00	1.3956E 00	1.3946E 00	1.4014E 00	1.4000E 00	1.4065E 00	1.4042E 00
10000.00	1.3823E 00	1.3816E 00	1.3956E 00	1.3947E 00	1.4014E 00	1.4001E 00	1.4065E 00	1.4045E 00
INF	1.3823E 00	1.3823E 00	1.3957E 00	1.3957E 00	1.4015E 00	1.4015E 00	1.4065E 00	1.4065E 00

	TAU = 20.00		TAU = 25.00		TAU = 30.00		TAU = 40.00	
Z	X	Y	X	Y	X	Y	X	Y
0.01	1.0091E 00	2.3230E-06	1.0091E 00	1.3765E-06	1.0091E 00	9.3225E-07	1.0091E 00	5.0125E-07
0.05	1.0330E 00	1.1944E-05	1.0330E 00	7.2351E-06	1.0330E 00	4.7908E-06	1.0330E 00	2.5709E-06
0.10	1.0545E 00	9.2452E-05	1.0545E 00	1.4794E-05	1.0545E 00	9.8176E-06	1.0545E 00	5.2625E-06
0.20	1.0866E 00	5.1148E-05	1.0866E 00	3.0762E-05	1.0866E 00	2.0388E-05	1.0866E 00	1.0903E-05
0.30	1.1112E 00	7.9405E-05	1.1112E 00	4.7612E-05	1.1112E 00	3.1513E-05	1.1112E 00	1.6814E-05
0.40	1.1311E 00	1.0911E-04	1.1311E 00	6.5241E-05	1.1311E 00	4.3106E-05	1.1311E 00	2.2944E-05
0.50	1.1478E 00	1.4013E-04	1.1478E 00	8.3575E-05	1.1478E 00	5.5117E-05	1.1478E 00	2.9265E-05
0.60	1.1623E 00	1.7256E-04	1.1623E 00	1.02541E-04	1.1623E 00	6.7513E-05	1.1623E 00	3.5757E-05
0.80	1.1860E 00	2.4120E-04	1.1860E 00	1.4243E-04	1.1860E 00	9.3389E-05	1.1860E 00	4.4205E-05
1.00	1.2049E 00	3.1515E-04	1.2049E 00	1.8491E-04	1.2049E 00	1.2066E-04	1.2049E 00	6.3221E-05
1.50	1.2394E 00	5.3301E-04	1.2394E 00	3.0281E-04	1.2394E 00	1.9497E-04	1.2394E 00	1.0059E-04
2.00	1.2630E 00	8.7795E-04	1.2630E 00	4.4832E-04	1.2630E 00	2.7979E-04	1.2630E 00	1.4134E-04
3.00	1.2939E 00	3.5433E-03	1.2939E 00	1.1953E-03	1.2939E 00	5.6363E-04	1.2939E 00	2.3770E-04
4.00	1.3135E 00	1.2696E-02	1.3135E 00	4.2739E-03	1.3135E 00	1.5320E-03	1.3135E 00	4.2304E-04
5.00	1.3272E 00	3.0699E-02	1.3272E 00	1.2012E-02	1.3272E 00	4.5792E-03	1.3272E 00	1.0116E-03
7.50	1.3495E 00	9.5273E-01	1.3486E 00	5.5560E-02	1.3486E 00	2.9071E-02	1.3486E 00	8.1333E-03
10.00	1.3608E 00	2.0166E-01	1.3610E 00	1.2325E-01	1.3610E 00	7.5352E-02	1.3611E 00	2.8273E-02
15.00	1.3767E 00	3.8403E-01	1.3750E 00	2.7630E-01	1.3751E 00	1.9856E-01	1.3752E 00	1.0260E-01
20.00	1.3823E 00	5.2084E-01	1.3828E 00	4.1450E-01	1.3830E 00	3.2350E-01	1.3831E 00	1.9693E-01
30.00	1.3905E 00	7.3424E-01	1.3914E 00	6.2281E-01	1.3914E 00	5.2792E-01	1.3917E 00	3.7906E-01
50.00	1.3975E 00	9.5273E-01	1.3983E 00	8.6325E-01	1.3987E 00	7.8186E-01	1.3992E 00	6.4098E-01
75.00	1.4011E 00	1.0853E 00	1.4021E 00	1.0165E 00	1.4026E 00	9.5126E-01	1.4032E 00	8.3381E-01
100.00	1.4030E 00	1.1584E 00	1.4040E 00	1.1031E 00	1.4046E 00	1.0501E 00	1.4053E 00	9.5108E-01
150.00	1.4049E 00	1.2365E 00	1.4060E 00	1.1725E 00	1.4066E 00	1.1574E 00	1.4074E 00	1.0849E 00
200.00	1.4058E 00	1.2774E 00	1.4070E 00	1.2471E 00	1.4077E 00	1.2171E 00	1.4085E 00	1.1587E 00
300.00	1.4058E 00	1.3198E 00	1.4080E 00	1.2299E 00	1.4087E 00	1.2785E 00	1.4094E 00	1.2376E 00
400.00	1.4073E 00	1.3415E 00	1.4085E 00	1.3261E 00	1.4092E 00	1.3104E 00	1.4101E 00	1.2790E 00
500.00	1.4076E 00	1.3547E 00	1.4086E 00	1.3425E 00	1.4096E 00	1.3299E 00	1.4105E 00	1.3045E 00
750.00	1.4080E 00	1.3725E 00	1.4092E 00	1.3646E 00	1.4100E 00	1.3564E 00	1.4109E 00	1.3393E 00
1000.00	1.4082E 00	1.3815E 00	1.4094E 00	1.3754E 00	1.4102E 00	1.3698E 00	1.4111E 00	1.3571E 00
2000.00	1.4085E 00	1.3951E 00	1.4097E 00	1.3928E 00	1.4105E 00	1.3902E 00	1.4115E 00	1.3842E 00
3000.00	1.4086E 00	1.3995E 00	1.4098E 00	1.3985E 00	1.4106E 00	1.3970E 00	1.4116E 00	1.3933E 00
4000.00	1.4086E 00	1.4019E 00	1.4099E 00	1.4014E 00	1.4107E 00	1.4005E 00	1.4116E 00	1.3979E 00
5000.00	1.4087E 00	1.4033E 00	1.4099E 00	1.4031E 00	1.4107E 00	1.4025E 00	1.4117E 00	1.4007E 00
6000.00	1.4087E 00	1.4042E 00	1.4099E 00	1.4043E 00	1.4107E 00	1.4039E 00	1.4117E 00	1.4025E 00
7000.00	1.4087E 00	1.4048E 00	1.4100E 00	1.4051E 00	1.4108E 00	1.4049E 00	1.4117E 00	1.4038E 00
8000.00	1.4087E 00	1.4053E 00	1.4100E 00	1.4057E 00	1.4108E 00	1.4056E 00	1.4117E 00	1.4048E 00
9000.00	1.4087E 00	1.4057E 00	1.4100E 00	1.4062E 00	1.4108E 00	1.4062E 00	1.4117E 00	1.4056E 00
10000.00	1.4087E 00	1.4060E 00	1.4100E 00	1.4066E 00	1.4108E 00	1.4067E 00	1.4117E 00	1.4062E 00
INF	1.4088E 00	1.4060E 00	1.4100E 00	1.4100E 00	1.4108E 00	1.4108E 00	1.4118E 00	1.4118E 00

OMEGA = 0.50		TAU = 50.00		TAU = 75.00		TAU = 100.0		TAU = 200.0	
Z	X Y	Z	X Y	Z	X Y	Z	X Y	Z	X Y
0.01	1.0091E 00 3.2355E-07	1.0091E 00 1.6017E-07	1.0091E 00 9.3642E-08	1.0091E 00 1.2161E-08					
0.05	1.0330E 00 1.6586E-06	1.0330E 00 8.2490E-07	1.0330E 00 4.7940E-07	1.0330E 00 5.9537E-08					
0.10	1.0545E 00 3.3926E-06	1.0545E 00 1.6851E-06	1.0545E 00 9.7985E-07	1.0545E 00 1.2229E-07					
0.20	1.0866E 00 7.0183E-06	1.0866E 00 3.4803E-06	1.0866E 00 2.0238E-06	1.0866E 00 2.5302E-07					
0.30	1.1112E 00 1.0806E-05	1.1112E 00 5.3504E-06	1.1112E 00 3.1108E-06	1.1112E 00 3.8910E-07					
0.40	1.1311E 00 1.4722E-05	1.1311E 00 7.2785E-06	1.1311E 00 4.2311E-06	1.1311E 00 5.2935E-07					
0.50	1.1478E 00 1.8748E-05	1.1478E 00 9.2544E-06	1.1478E 00 5.3786E-06	1.1478E 00 6.7300E-07					
0.60	1.1623E 00 2.2869E-05	1.1623E 00 1.1271E-05	1.1623E 00 6.5493E-06	1.1623E 00 8.1953E-07					
0.80	1.1860E 00 3.1363E-05	1.1860E 00 1.5407E-05	1.1860E 00 8.9489E-06	1.1860E 00 1.1199E-06					
1.00	1.2049E 00 4.0155E-05	1.2049E 00 1.9660E-05	1.2049E 00 1.1414E-05	1.2049E 00 1.4283E-06					
1.50	1.2394E 00 6.3284E-05	1.2394E 00 3.0703E-05	1.2394E 00 1.7802E-05	1.2394E 00 2.2275E-06					
2.00	1.2630E 00 8.7960E-05	1.2630E 00 4.2240E-05	1.2630E 00 2.4455E-05	1.2630E 00 3.0596E-06					
3.00	1.2939E 00 1.4235E-04	1.2939E 00 6.6260E-05	1.2939E 00 3.8430E-05	1.2939E 00 4.8059E-06					
4.00	1.3135E 00 2.1090E-04	1.3135E 00 9.2747E-05	1.3135E 00 5.3229E-05	1.3135E 00 6.6523E-06					
5.00	1.3272E 00 3.4960E-04	1.3272E 00 1.2130E-04	1.3272E 00 6.8856E-05	1.3272E 00 8.5966E-06					
7.50	1.3486E 00 2.4260E-03	1.3486E 00 2.7153E-04	1.3486E 00 1.1448E-04	1.3486E 00 1.3908E-05					
10.00	1.3611E 00 1.0731E-02	1.3611E 00 1.1260E-03	1.3611E 00 3.035E-04	1.3611E 00 1.9944E-05					
15.00	1.3753E 00 5.3065E-02	1.3753E 00 1.0365E-02	1.3753E 00 2.1483E-03	1.3753E 00 5.7157E-05					
20.00	1.3832E 00 1.1987E-01	1.3832E 00 3.4755E-02	1.3832E 00 1.0186E-02	1.3832E 00 1.2060E-04					
30.00	1.3919E 00 2.7207E-01	1.3920E 00 1.1875E-01	1.3920E 00 5.1868E-02	1.3920E 00 1.9429E-03					
50.00	1.3995E 00 5.2529E-01	1.3997E 00 3.1920E-01	1.3998E 00 1.9394E-01	1.3998E 00 2.6416E-02					
75.00	1.4035E 00 7.3025E-01	1.4039E 00 5.2390E-01	1.4040E 00 3.7576E-01	1.4040E 00 9.9294E-02					
100.00	1.4057E 00 8.6110E-01	1.4061E 00 6.7131E-01	1.4063E 00 5.2319E-01	1.4063E 00 1.9277E-01					
150.00	1.4078E 00 1.0155E-00	1.4084E 00 8.6028E-01	1.4086E 00 7.2861E-01	1.4086E 00 3.7444E-01					
200.00	1.4089E 00 1.1027E-00	1.4095E 00 9.7390E-01	1.4098E 00 8.5987E-01	1.4098E 00 5.2193E-01					
300.00	1.4101E 00 1.1975E-00	1.4107E 00 1.1025E-00	1.4110E 00 1.0148E-00	1.4110E 00 1.2758E-01					
400.00	1.4106E 00 1.2480E-00	1.4113E 00 1.1731E-00	1.4117E 00 1.1029E-00	1.4121E 00 8.5907E-01					
500.00	1.4110E 00 1.2792E-00	1.4117E 00 1.2176E-00	1.4120E 00 1.1587E-00	1.4125E 00 9.4911E-01					
750.00	1.4114E 00 1.3221E-00	1.4122E 00 1.2796E-00	1.4125E 00 1.2381E-00	1.4130E 00 1.0840E-00					
1000.00	1.4117E 00 1.3441E-00	1.4124E 00 1.3117E-00	1.4128E 00 1.2798E-00	1.4133E 00 1.1585E-00					
2000.00	1.4120E 00 1.3778E-00	1.4128E 00 1.3615E-00	1.4132E 00 1.3450E-00	1.4137E 00 1.2800E-00					
3000.00	1.4121E 00 1.3892E-00	1.4129E 00 1.3785E-00	1.4133E 00 1.3675E-00	1.4138E 00 1.3232E-00					
4000.00	1.4122E 00 1.3950E-00	1.4130E 00 1.3871E-00	1.4134E 00 1.3789E-00	1.4139E 00 1.3454E-00					
5000.00	1.4122E 00 1.3984E-00	1.4130E 00 1.3923E-00	1.4134E 00 1.3857E-00	1.4140E 00 1.3589E-00					
6000.00	1.4122E 00 1.4008E-00	1.4130E 00 1.3957E-00	1.4135E 00 1.3903E-00	1.4140E 00 1.3679E-00					
7000.00	1.4123E 00 1.4024E-00	1.4130E 00 1.3982E-00	1.4135E 00 1.3936E-00	1.4140E 00 1.3744E-00					
8000.00	1.4123E 00 1.4036E-00	1.4131E 00 1.4001E-00	1.4135E 00 1.3961E-00	1.4140E 00 1.3793E-00					
9000.00	1.4123E 00 1.4046E-00	1.4131E 00 1.4015E-00	1.4135E 00 1.3980E-00	1.4140E 00 1.3831E-00					
10000.00	1.4123E 00 1.4054E-00	1.4131E 00 1.4027E-00	1.4135E 00 1.3996E-00	1.4140E 00 1.3862E-00					
INF	1.4124E 00 1.4124E-00	1.4131E 00 1.4131E-00	1.4136E 00 1.4136E-00	1.4141E 00 1.4141E-00					
TAU = 239.0									
Z	X Y	Z	X Y	Z	X Y	Z	X Y	Z	X Y
0.01	1.0091E 00 5.2727E-09								
0.05	1.0330E 00 2.7947E-08								
0.10	1.0545E 00 4.4712E-08								
0.20	1.0866E 00 1.1676E-07								
0.30	1.1112E 00 1.7029E-07								
0.40	1.1311E 00 2.3971E-07								
0.50	1.1478E 00 3.1847E-07								
0.60	1.1623E 00 3.5157E-07								
0.80	1.1860E 00 5.0601E-07								
1.00	1.2049E 00 7.8218E-07								
1.50	1.2394E 00 9.9075E-07								
2.00	1.2630E 00 1.3314E-06								
3.00	1.2939E 00 2.1294E-06								
4.00	1.3135E 00 2.9376E-06								
5.00	1.3272E 00 3.8106E-06								
7.50	1.3486E 00 6.1783E-06								
10.00	1.3611E 00 8.8556E-06								
15.00	1.3753E 00 1.5641E-05								
20.00	1.3833E 00 3.3762E-05								
30.00	1.3920E 00 5.5138E-04								
50.00	1.3998E 00 1.2134E-02								
75.00	1.4041E 00 5.0949E-02								
100.00	1.4064E 00 1.3053E-01								
150.00	1.4088E 00 2.8872E-01								
200.00	1.4101E 00 4.2947E-01								
300.00	1.4114E 00 6.3889E-01								
400.00	1.4121E 00 7.7927E-01								
500.00	1.4125E 00 8.7740E-01								
750.00	1.4130E 00 1.0291E-00								
1000.00	1.4133E 00 1.1142E-00								
2000.00	1.4137E 00 1.2553E-00								
3000.00	1.4139E 00 1.3061E-00								
4000.00	1.4140E 00 1.3324E-00								
5000.00	1.4140E 00 1.3483E-00								
6000.00	1.4140E 00 1.3591E-00								
7000.00	1.4141E 00 1.3668E-00								
8000.00	1.4141E 00 1.3727E-00								
9000.00	1.4141E 00 1.3772E-00								
10000.00	1.4141E 00 1.3809E-00								
INF	1.4142E 00 1.4142E-00								

OMEGA = 0.60											
TAU = 0.050			TAU = 0.100			TAU = 0.200			TAU = 0.300		
<i>z</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	
0.01	1.0104E 00	1.3291E-02	1.0106E 00	5.0398E-03	1.0107E 00	3.7080E-03	1.0108E 00	2.9936E-03			
0.05	1.0277E 00	3.9236E-01	1.0346E 00	1.6123E-01	1.0381E 00	3.9416E-02	1.0390E 00	1.9319E-02			
0.10	1.0334E 00	6.3793E-01	1.0471E 00	4.0834E-01	1.0586E 00	1.7693E-01	1.0626E 00	8.6299E-02			
0.20	1.0370E 00	8.1466E-01	1.0564E 00	6.5879E-01	1.0787E 00	4.3368E-01	1.0903E 00	2.9027E-01			
0.30	1.0383E 00	8.8401E-01	1.0602E 00	7.7372E-01	1.0882E 00	5.9161E-01	1.1050E 00	4.5375E-01			
0.40	1.0390E 00	9.2089E-01	1.0622E 00	8.3668E-01	1.0937E 00	6.9209E-01	1.1140E 00	5.7030E-01			
0.50	1.0394E 00	9.4377E-01	1.0635E 00	8.8030E-01	1.0972E 00	7.6074E-01	1.1200E 00	6.5506E-01			
0.60	1.0397E 00	9.5934E-01	1.0644E 00	9.0922E-01	1.0997E 00	8.1038E-01	1.1243E 00	7.1884E-01			
0.80	1.0401E 00	9.7916E-01	1.0655E 00	9.4673E-01	1.1030E 00	8.7718E-01	1.1301E 00	8.0781E-01			
1.00	1.0403E 00	9.9126E-01	1.0662E 00	9.6999E-01	1.1050E 00	9.1997E-01	1.1337E 00	8.6663E-01			
1.50	1.0406E 00	1.0076E 00	1.0671E 00	1.0019E 00	1.1078E 00	9.8038E-01	1.1389E 00	9.5207E-01			
2.00	1.0407E 00	1.0159E 00	1.0676E 00	1.0183E 00	1.1092E 00	1.0121E 00	1.1416E 00	9.9802E-01			
3.00	1.0409E 00	1.0243E 00	1.0680E 00	1.0349E 00	1.1107E 00	1.0449E 00	1.1443E 00	1.0465E 00			
4.00	1.0409E 00	1.0285E 00	1.0683E 00	1.0433E 00	1.1115E 00	1.0617E 00	1.1458E 00	1.0713E 00			
5.00	1.0410E 00	1.0310E 00	1.0684E 00	1.0484E 00	1.1119E 00	1.0719E 00	1.1466E 00	1.0866E 00			
7.50	1.0410E 00	1.0344E 00	1.0685E 00	1.0552E 00	1.1125E 00	1.0857E 00	1.1479E 00	1.1074E 00			
10.00	1.0411E 00	1.0361E 00	1.0687E 00	1.0586E 00	1.1128E 00	1.0926E 00	1.1484E 00	1.1179E 00			
15.00	1.0411E 00	1.0378E 00	1.0688E 00	1.0621E 00	1.1131E 00	1.0996E 00	1.1490E 00	1.1285E 00			
20.00	1.0411E 00	1.0386E 00	1.0688E 00	1.0638E 00	1.1133E 00	1.1031E 00	1.1493E 00	1.1339E 00			
30.00	1.0411E 00	1.0395E 00	1.0689E 00	1.0655E 00	1.1134E 00	1.1066E 00	1.1495E 00	1.1393E 00			
50.00	1.0411E 00	1.0401E 00	1.0689E 00	1.0669E 00	1.1136E 00	1.1095E 00	1.1498E 00	1.1436E 00			
75.00	1.0412E 00	1.0405E 00	1.0690E 00	1.0676E 00	1.1136E 00	1.1109E 00	1.1499E 00	1.1458E 00			
100.00	1.0412E 00	1.0407E 00	1.0690E 00	1.0680E 00	1.1136E 00	1.1116E 00	1.1500E 00	1.1469E 00			
150.00	1.0412E 00	1.0408E 00	1.0690E 00	1.0683E 00	1.1137E 00	1.1123E 00	1.1500E 00	1.1480E 00			
200.00	1.0412E 00	1.0409E 00	1.0690E 00	1.0685E 00	1.1137E 00	1.1127E 00	1.1501E 00	1.1485E 00			
300.00	1.0412E 00	1.0410E 00	1.0690E 00	1.0686E 00	1.1137E 00	1.1130E 00	1.1501E 00	1.1491E 00			
400.00	1.0412E 00	1.0410E 00	1.0690E 00	1.0687E 00	1.1137E 00	1.1132E 00	1.1501E 00	1.1493E 00			
500.00	1.0412E 00	1.0411E 00	1.0690E 00	1.0688E 00	1.1137E 00	1.1133E 00	1.1501E 00	1.1495E 00			
750.00	1.0412E 00	1.0411E 00	1.0690E 00	1.0689E 00	1.1137E 00	1.1135E 00	1.1501E 00	1.1497E 00			
1000.00	1.0412E 00	1.0411E 00	1.0690E 00	1.0689E 00	1.1137E 00	1.1135E 00	1.1501E 00	1.1498E 00			
2000.00	1.0412E 00	1.0411E 00	1.0690E 00	1.0689E 00	1.1137E 00	1.1136E 00	1.1501E 00	1.1500E 00			
3000.00	1.0412E 00	1.0411E 00	1.0690E 00	1.0690E 00	1.1137E 00	1.1137E 00	1.1501E 00	1.1500E 00			
4000.00	1.0412E 00	1.0412E 00	1.0690E 00	1.0690E 00	1.1137E 00	1.1137E 00	1.1501E 00	1.1501E 00			
5000.00	1.0412E 00	1.0412E 00	1.0690E 00	1.0690E 00	1.1137E 00	1.1137E 00	1.1501E 00	1.1501E 00			
6000.00	1.0412E 00	1.0412E 00	1.0690E 00	1.0690E 00	1.1137E 00	1.1137E 00	1.1501E 00	1.1501E 00			
7000.00	1.0412E 00	1.0412E 00	1.0690E 00	1.0690E 00	1.1137E 00	1.1137E 00	1.1501E 00	1.1501E 00			
8000.00	1.0412E 00	1.0412E 00	1.0690E 00	1.0690E 00	1.1137E 00	1.1137E 00	1.1501E 00	1.1501E 00			
9000.00	1.0412E 00	1.0412E 00	1.0690E 00	1.0690E 00	1.1137E 00	1.1137E 00	1.1501E 00	1.1501E 00			
10000.00	1.0412E 00	1.0412E 00	1.0690E 00	1.0690E 00	1.1137E 00	1.1137E 00	1.1501E 00	1.1501E 00			
INF	1.0412E 00	1.0412E 00	1.0690E 00	1.0690E 00	1.1137E 00	1.1137E 00	1.1501E 00	1.1501E 00			
TAU = 0.400											
<i>z</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	
0.01	1.C109E 00	2.5232E-03	1.0110E 00	2.1802E-03	1.0110E 00	1.9133E-03	1.0111E 00	1.5118E-03			
0.05	1.0394E 00	1.4292E-02	1.0397E 00	1.1972E-02	1.0398E 00	1.0401E-02	1.0402E 00	8.1799E-03			
0.10	1.0644E 00	4.9445E-02	1.0653E 00	3.3388E-02	1.0659E 00	2.5568E-02	1.0666E 00	1.8271E-02			
0.20	1.0967E 00	1.9887E-01	1.1006E 00	1.4026E-01	1.1030E 00	1.0226E-01	1.1056E 00	6.0442E-02			
0.30	1.1157E 00	3.5022E-01	1.1228E 00	2.7261E-01	1.1276E 00	2.1434E-01	1.1334E 00	1.3719E-01			
0.40	1.1279E 00	4.7053E-01	1.1377E 00	3.8929E-01	1.1448E 00	3.2325E-01	1.1539E 00	2.2592E-01			
0.50	1.1363E 00	5.6354E-01	1.1483E 00	4.8499E-01	1.1572E 00	4.1786E-01	1.1694E 00	3.1181E-01			
0.60	1.1424E 00	6.3629E-01	1.1561E 00	5.6275E-01	1.1667E 00	4.9764E-01	1.1815E 00	3.8964E-01			
0.80	1.1508E 00	7.4145E-01	1.1670E 00	6.7919E-01	1.1800E 00	6.2134E-01	1.1990E 00	5.1881E-01			
1.00	1.1562E 00	9.1320E-01	1.1742E 00	7.6112E-01	1.1898E 00	7.1108E-01	1.2110E 00	6.1829E-01			
1.50	1.1639E 00	9.2037E-01	1.1845E 00	8.8694E-01	1.2019E 00	8.5273E-01	1.2292E 00	7.8411E-01			
2.00	1.1680E 00	9.7938E-01	1.1901E 00	9.5788E-01	1.2090E 00	9.3447E-01	1.2392E 00	8.8429E-01			
3.00	1.1722E 00	1.0424E 00	1.1960E 00	1.0349E 00	1.2165E 00	1.0245E 00	1.2502E 00	9.8912E-01			
4.00	1.1744E 00	1.0754E 00	1.1990E 00	1.0756E 00	1.2204E 00	1.0729E 00	1.2560E 00	1.0067E 00			
5.00	1.1757E 00	1.0958E 00	1.2008E 00	1.1009E 00	1.2228E 00	1.1030E 00	1.2595E 00	1.1003E 00			
7.50	1.1776E 00	1.1235E 00	1.2034E 00	1.1356E 00	1.2261E 00	1.1447E 00	1.2644E 00	1.1554E 00			
15.00	1.1785E 00	1.1377E 00	1.2046E 00	1.1534E 00	1.2278E 00	1.1661E 00	1.2669E 00	1.1841E 00			
20.00	1.1794E 00	1.1520E 00	1.2059E 00	1.1715E 00	1.2294E 00	1.1879E 00	1.2694E 00	1.2135E 00			
30.00	1.1798E 00	1.1592E 00	1.2066E 00	1.1807E 00	1.2303E 00	1.1990E 00	1.2707E 00	1.2285E 00			
50.00	1.1807E 00	1.1724E 00	1.2078E 00	1.1973E 00	1.2318E 00	1.2192E 00	1.2731E 00	1.2560E 00			
75.00	1.1809E 00	1.1753E 00	1.2080E 00	1.2010E 00	1.2322E 00	1.2237E 00	1.2736E 00	1.2621E 00			
100.00	1.1810E 00	1.1768E 00	1.2081E 00	1.2029E 00	1.2324E 00	1.2260E 00	1.2738E 00	1.2653E 00			
150.00	1.1811E 00	1.1783E 00	1.2083E 00	1.2048E 00	1.2325E 00	1.2283E 00	1.2741E 00	1.2684E 00			
200.00	1.1811E 00	1.1790E 00	1.2083E 00	1.2057E 00	1.2326E 00	1.2294E 00	1.2742E 00	1.2699E 00			
300.00	1.1812E 00	1.1798E 00	1.2084E 00	1.2067E 00	1.2327E 00	1.2306E 00	1.2744E 00	1.2715E 00			
400.00	1.1812E 00	1.1801E 00	1.2084E 00	1.2071E 00	1.2327E 00	1.2312E 00	1.2744E 00	1.2723E 00			
500.00	1.1812E 00	1.1804E 00	1.2085E 00	1.2074E 00	1.2328E 00	1.2315E 00	1.2745E 00	1.2727E 00			
750.00	1.1812E 00	1.1807E 00	1.2085E 00	1.2078E 00	1.2328E 00	1.2320E 00	1.2745E 00	1.2734E 00			
1000.00	1.1812E 00	1.1808E 00	1.2085E 00	1.2080E 00	1.2328E 00	1.2322E 00	1.2745E 00	1.2737E 00			
2000.00	1.1812E 00	1.1810E 00	1.2085E 00	1.2083E 00	1.2328E 00	1.2325E 00	1.2746E 00	1.2742E 00			
3000.00	1.1812E 00	1.1811E 00	1.2085E 00	1.2084E 00	1.2329E 00	1.2326E 00	1.2746E 00	1.2743E 00			
4000.00	1.1812E 00	1.1811E 00	1.2085E 00	1.2084E 00	1.2329E 00	1.2327E 00	1.2746E 00	1.2744E 00			
5000.00	1.1812E 00	1.1812E 00	1.2085E 00	1.2084E 00	1.2329E 00	1.2327E 00	1.2746E 00	1.2744E 00			
6000.00	1.1812E 00	1.1812E 00	1.2085E 00	1.2084E 00	1.2329E 00	1.2328E 00	1.2746E 00	1.2745E 00			
7000.00	1.1812E 00	1.1812E 00	1.2085E 00	1.2085E 00	1.2329E 00	1.2328E 00	1.2746E 00	1.2745E 00			
8000.00	1.1812E 00	1.1812E 00	1.2085E 00	1.2085E 00	1.2329E 00	1.2328E 00	1.2746E 00	1.2745E 00			
9000.00	1.1812E 00	1.1812E 00	1.2085E 00	1.2085E 00	1.2329E 00	1.2328E 00	1.2746E 00	1.2745E 00			
10000.00	1.1812E 00	1.1812E 00	1.2085E 00	1.2085E 00	1.2329E 00	1.2328E 00	1.2746E 00	1.2745E 00			
INF	1.1812E 00	1.1812E 00	1.2085E 00	1.							

OMEGA = 0.60												
	TAU = 1.000			TAU = 1.500			TAU = 2.000			TAU = 2.500		
Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	
0.01	1.0112E 00	1.2365E-03	1.0111E 00	7.9326E-04	1.0112E 00	5.4035E-04	1.0112E 00	3.8279E-04				
0.05	1.0404E 00	6.630CE-03	1.0407E 00	4.2235E-03	1.0408E 00	2.8657E-03	1.0409E 00	2.0242E-03				
0.10	1.0671E 00	1.4455E-02	1.0676E 00	9.0721E-03	1.0679E 00	6.1186E-03	1.0680E 00	4.3044E-03				
0.20	1.1069E 00	4.0663E-02	1.1084E 00	2.1506E-02	1.1090E 00	1.3944E-02	1.1092E 00	9.6765E-03				
0.30	1.1364E 00	9.2413E-02	1.1396E 00	4.2843E-02	1.1407E 00	2.5066E-02	1.1411E 00	1.6602E-02				
0.40	1.1590E 00	1.6124E-01	1.1646E 00	7.7035E-02	1.1665E 00	4.2675E-02	1.1673E 00	2.6621E-02				
0.50	1.1767E 00	2.3478E-01	1.1852E 00	1.2140E-01	1.1882E 00	6.8070E-02	1.1894E 00	4.1393E-02				
0.60	1.1908E 00	3.0610E-01	1.2023E 00	1.7136E-01	1.2066E 00	1.0011E-01	1.2084E 00	6.1417E-02				
0.80	1.2117E 00	4.3254E-01	1.2289E 00	2.7469E-01	1.2362E 00	1.7598E-01	1.2394E 00	1.1443E-01				
1.00	1.2245E 00	5.3575E-01	1.2486E 00	3.7149E-01	1.2587E 00	2.5661E-01	1.2636E 00	1.7754E-01				
1.50	1.2494E 00	7.1729E-01	1.2807E 00	5.6569E-01	1.2970E 00	4.4027E-01	1.3057E 00	3.4001E-01				
2.00	1.2624E 00	8.3201E-01	1.2999E 00	7.0263E-01	1.3207E 00	5.8427E-01	1.3326E 00	4.8112E-01				
3.00	1.2766E 00	9.6650E-01	1.3216E 00	8.7599E-01	1.3483E 00	7.8091E-01	1.3648E 00	6.8887E-01				
4.00	1.2842E 00	1.0422E 00	1.3335E 00	9.7933E-01	1.3639E 00	9.0493E-01	1.3834E 00	8.2740E-01				
5.00	1.2889E 00	1.0906E 00	1.3411E 00	1.0475E 00	1.3739E 00	9.8928E-01	1.3954E 00	9.2455E-01				
7.50	1.2955E 00	1.1589E 00	1.3516E 00	1.1463E 00	1.3881E 00	1.1149E 00	1.4126E 00	1.0733E 00				
10.00	1.2988E 00	1.1947E 00	1.3571E 00	1.1993E 00	1.3955E 00	1.1840E 00	1.4218E 00	1.1570E 00				
15.00	1.3022E 00	1.2317E 00	1.3628E 00	1.2549E 00	1.4032E 00	1.2576E 00	1.4313E 00	1.2475E 00				
20.00	1.3040E 00	1.2506E 00	1.3656E 00	1.2838E 00	1.4072E 00	1.2961E 00	1.4362E 00	1.2955E 00				
30.00	1.3057E 00	1.2699E 00	1.3685E 00	1.3133E 00	1.4112E 00	1.3359E 00	1.4412E 00	1.3455E 00				
50.00	1.3071E 00	1.2855E 00	1.3709E 00	1.3374E 00	1.4145E 00	1.3687E 00	1.4453E 00	1.3869E 00				
75.00	1.3078E 00	1.2934E 00	1.3721E 00	1.3497E 00	1.4161E 00	1.3854E 00	1.4474E 00	1.4082E 00				
100.00	1.3082E 00	1.2973E 00	1.3727E 00	1.3558E 00	1.4170E 00	1.3939E 00	1.4485E 00	1.4189E 00				
150.00	1.3086E 00	1.3013E 00	1.3733E 00	1.3620E 00	1.4178E 00	1.4024E 00	1.4495E 00	1.4297E 00				
200.00	1.3087E 00	1.3033E 00	1.3736E 00	1.3651E 00	1.4182E 00	1.4066E 00	1.4500E 00	1.4352E 00				
300.00	1.3089E 00	1.3053E 00	1.3739E 00	1.3683E 00	1.4186E 00	1.4109E 00	1.4506E 00	1.4406E 00				
400.00	1.3090E 00	1.3063E 00	1.3741E 00	1.3698E 00	1.4189E 00	1.4130E 00	1.4508E 00	1.4434E 00				
500.00	1.3091E 00	1.3069E 00	1.3741E 00	1.3708E 00	1.4190E 00	1.4143E 00	1.4510E 00	1.4450E 00				
750.00	1.3091E 00	1.3077E 00	1.3743E 00	1.3720E 00	1.4191E 00	1.4160E 00	1.4512E 00	1.4472E 00				
1000.00	1.3092E 00	1.3081E 00	1.3743E 00	1.3726E 00	1.4192E 00	1.4169E 00	1.4513E 00	1.4483E 00				
2000.00	1.3092E 00	1.3087E 00	1.3744E 00	1.3736E 00	1.4194E 00	1.4182E 00	1.4515E 00	1.4500E 00				
3000.00	1.3092E 00	1.3089E 00	1.3744E 00	1.3739E 00	1.4194E 00	1.4186E 00	1.4515E 00	1.4505E 00				
4000.00	1.3093E 00	1.3090E 00	1.3745E 00	1.3740E 00	1.4194E 00	1.4188E 00	1.4515E 00	1.4508E 00				
5000.00	1.3093E 00	1.3090E 00	1.3745E 00	1.3741E 00	1.4194E 00	1.4190E 00	1.4516E 00	1.4510E 00				
6000.00	1.3093E 00	1.3091E 00	1.3745E 00	1.3742E 00	1.4194E 00	1.4191E 00	1.4516E 00	1.4511E 00				
7000.00	1.3093E 00	1.3091E 00	1.3745E 00	1.3742E 00	1.4194E 00	1.4191E 00	1.4516E 00	1.4511E 00				
8000.00	1.3093E 00	1.3091E 00	1.3745E 00	1.3743E 00	1.4195E 00	1.4192E 00	1.4516E 00	1.4512E 00				
9000.00	1.3093E 00	1.3091F 00	1.3745E 00	1.3743E 00	1.4195E 00	1.4192E 00	1.4516E 00	1.4512E 00				
10000.00	1.3093E 00	1.3092E 00	1.3745E 00	1.3743E 00	1.4195E 00	1.4192E 00	1.4516E 00	1.4513E 00				
INF	1.3093E 00	1.3093E 00	1.3745E 00	1.3745E 00	1.4195E 00	1.4195E 00	1.4516E 00	1.4516E 00				
	TAU = 3.000			TAU = 3.500			TAU = 4.000			TAU = 4.500		
Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	
0.01	1.0112E 00	2.7936E-04	1.0112E 00	2.089PE-04	1.0112E 00	1.5973E-04	1.0112E 00	1.2441E-04				
0.05	1.0409E 00	1.4744E-03	1.0409E 00	1.1005E-03	1.0409E 00	8.3964E-04	1.0409E 00	6.5309E-04				
0.10	1.0680E 00	3.1246E-03	1.0681E 00	2.3269E-03	1.0681E 00	1.7713E-03	1.0681F 00	1.3750E-03				
0.20	1.1094E 00	6.9672E-03	1.1094E 00	5.1561E-03	1.1095E 00	3.9045E-03	1.1095E 00	3.0170E-03				
0.30	1.1414E 00	1.1708E-02	1.1415E 00	8.5686E-03	1.1415E 00	6.4402E-03	1.1416E 00	4.9470E-03				
0.40	1.1577E 00	1.8016E-02	1.1678E 00	1.2860E-02	1.1679E 00	9.5199E-03	1.1680E 00	7.2398E-03				
0.50	1.1899E 00	2.7025E-02	1.1902E 00	1.8681E-02	1.1904E 00	1.3494E-02	1.1904E 00	1.0082E-02				
0.60	1.2092E 00	3.9613E-02	1.2096E 00	2.6785E-02	1.2098E 00	1.8890E-02	1.2098E 00	1.3812E-02				
0.80	1.2409E 00	7.5859E-02	1.2417E 00	5.1422E-02	1.2421E 00	3.5717E-02	1.2421E 00	2.5449E-02				
1.00	1.2660E 00	1.2353E-01	1.2673E 00	8.6626E-02	1.2679E 00	6.1416E-02	1.2683E 00	4.4108E-02				
1.50	1.3106E 00	2.6139E-01	1.3133E 00	2.0046E-01	1.3149E 00	1.5362E-01	1.3158E 00	1.1778E-01				
2.00	1.3397E 00	3.9361E-01	1.3439E 00	3.2058E-01	1.3466E 00	2.6032E-01	1.3482E 00	2.1097E-01				
3.00	1.3753E 00	6.0334E-01	1.3820E 00	5.2577E-01	1.3864E 00	4.5648E-01	1.3894E 00	3.9525E-01				
4.00	1.3961E 00	7.5115E-01	1.4046E 00	6.7850E-01	1.4104E 00	6.1065E-01	1.4145E 00	5.4809E-01				
5.00	1.4098E 00	8.5800E-01	1.4196E 00	7.9233E-01	1.4265E 00	7.2409E-01	1.4313E 00	6.6913E-01				
7.50	1.4295E 00	1.0262E 00	1.4415E 00	9.7669E-01	1.4500E 00	9.2608E-01	1.4563E 00	8.7101E-01				
10.00	1.4401E 00	1.1230E 00	1.4533E 00	1.0850E 00	1.4629E 00	1.0448E 00	1.4700E 00	1.0038E 00				
15.00	1.4513E 00	1.2294E 00	1.4658E 00	1.2026E 00	1.4765E 00	1.1796E 00	1.4846E 00	1.1510E 00				
20.00	1.4570E 00	1.2865E 00	1.4722E 00	1.2720E 00	1.4836E 00	1.2537E 00	1.4922E 00	1.2329E 00				
30.00	1.4629E 00	1.3464E 00	1.4789E 00	1.3415E 00	1.4910E 00	1.3326E 00	1.5002E 00	1.3209E 00				
50.00	1.4677E 00	1.3965E 00	1.4844E 00	1.4000E 00	1.4970E 00	1.3945E 00	1.5067E 00	1.3959E 00				
75.00	1.4762E 00	1.4222E 00	1.4952E 00	1.4303E 00	1.5001E 00	1.4342E 00	1.5100E 00	1.4351E 00				
100.00	1.4741E 00	1.4353E 00	1.4886E 00	1.4457E 00	1.5016E 00	1.4519E 00	1.5117E 00	1.4551E 00				
150.00	1.4727E 00	1.4484E 00	1.4900E 00	1.4612E 00	1.5032E 00	1.4698E 00	1.5134E 00	1.4754E 00				
200.00	1.4733E 00	1.4551F 00	1.4907E 00	1.4690E 00	1.5040E 00	1.4788E 00	1.5142E 00	1.4856E 00				
300.00	1.4739E 00	1.4617E 00	1.4914E 00	1.4769E 00	1.5047E 00	1.4879E 00	1.5151E 00	1.4959E 00				
400.00	1.4742E 00	1.4651E 00	1.4918E 00	1.4809E 00	1.5051E 00	1.4925E 00	1.5155E 00	1.5011E 00				
500.00	1.4744E 00	1.4671F 00	1.4920E 00	1.4833E 00	1.5054E 00	1.4953E 00	1.5158E 00	1.5043E 00				
1000.00	1.4748E 00	1.4711F 00	1.4924E 00	1.4880E 00	1.5058E 00	1.5008E 00	1.5163E 00	1.5050E 00				
2000.00	1.4750E 00	1.4732F 00	1.4926E 00	1.4904E 00	1.5061E 00	1.5035E 00	1.5166E 00	1.5137E 00				
3000.00	1.4751E 00	1.4738E 00	1.4927E 00	1.4912E 00	1.5062E 00	1.5045E 00	1.5166E 00	1.5147E 00				
4000.00	1.4751E 00	1.4742E 00	1.4927E 00	1.4916E 00	1.5062E 00	1.5049E 00	1.5167E 00	1.5152E 00				
5000.00	1.4751E 00	1.4744E 00	1.4923E 00	1.4964E 00	1.5057E 00	1.4949E 00	1.5167E 00	1.5084E 00				
6000.00	1.4751E 00	1.4745E 00	1.4928E 00	1.4920E 00	1.5062E 00	1.5054E 00	1.5167E 00	1.5154E 00				
7000.00	1.4751E 00	1.4745E 00	1.4928E 00	1.4921E 00	1.5063E 00	1.5055E 00	1.5167E 00	1.5159E 00				
8000.00	1.4751E 00	1.4747E 00	1.4928E 00	1.4922E 00	1.5063E 00	1.5056E 00	1.5166E 00					

OMFGA = 0.60											
TAU = 5.000			TAU = 7.500			TAU = 10.00			TAU = 15.00		
Z	X	Y	X	Y	Z	X	Y	Z	X	Y	Z
0.01	1.0112E 00	9.8602E-05	1.0112E 00	3.7990E-05	1.0112E 00	1.8893E-05	1.0112E 00	7.0887E-06	1.0112E 00	7.0887E-06	1.0112E 00
0.05	1.0409E 00	5.1689E-04	1.0409E 00	1.9841E-04	1.0409E 00	9.8206E-05	1.0409E 00	3.7007E-05	1.0409E 00	4.5693E-05	1.0409E 00
0.10	1.0681E 00	1.0863E-03	1.0681E 00	4.1603E-04	1.0681E 00	2.0409E-04	1.0681E 00	7.6498E-05	1.0681E 00	7.6498E-05	1.0681E 00
0.20	1.1095E 00	2.3737E-03	1.1095E 00	8.9106E-04	1.1095E 00	4.3522E-04	1.1095E 00	1.6153E-04	1.1095E 00	1.6153E-04	1.1095E 00
0.30	1.1416E 00	3.8729E-03	1.1416E 00	1.4284E-03	1.1417E 00	6.9047E-04	1.1417E 00	2.5358E-04	1.1417E 00	2.5358E-04	1.1417E 00
0.40	1.1680E 00	5.6265E-03	1.1681E 00	2.0302E-03	1.1681E 00	9.6983E-04	1.1681E 00	3.5210E-04	1.1681E 00	3.5210E-04	1.1681E 00
0.50	1.1905E 00	7.7373E-03	1.1906E 00	2.7059E-03	1.1906E 00	1.2747E-03	1.1906E 00	4.5693E-04	1.1906E 00	4.5693E-04	1.1906E 00
0.60	1.2100E 00	1.0410E-02	1.2101E 00	3.4739E-03	1.2101E 00	1.6079E-03	1.2101E 00	5.6809E-04	1.2101E 00	5.6809E-04	1.2101E 00
0.80	1.2424E 00	1.8602E-02	1.2426E 00	5.4540E-03	1.2426E 00	2.3833E-03	1.2426E 00	8.1056E-04	1.2426E 00	8.1056E-04	1.2426E 00
1.00	1.2685E 00	3.2145E-02	1.2688E 00	8.5376E-03	1.2688E 00	3.3994E-03	1.2688E 00	1.0842E-03	1.2688E 00	1.0842E-03	1.2688E 00
1.50	1.3164E 00	9.0463E-02	1.3173E 00	2.5680E-02	1.3174E 00	8.7206E-03	1.3174E 00	2.0370E-03	1.3174E 00	2.0370E-03	1.3174E 00
2.00	1.3492E 00	1.7079E-01	1.3510E 00	5.9593E-02	1.3512E 00	2.1b36E-02	1.3513E 00	4.1533E-03	1.3513E 00	4.1533E-03	1.3513E 00
3.00	1.3914E 00	3.4154E-01	1.3953E 00	1.6194E-01	1.3961E 00	7.6366E-02	1.3963E 00	1.7851E-02	1.3963E 00	1.7851E-02	1.3963E 00
4.00	1.4173E 00	4.9093E-01	1.4233E 00	2.7812E-01	1.4247E 00	1.5564E-01	1.4253E 00	4.8827E-02	1.4253E 00	4.8827E-02	1.4253E 00
5.00	1.4348E 00	6.1288E-01	1.4426E 00	3.8834E-01	1.4447E 00	2.4286E-01	1.4457E 00	9.4195E-02	1.4457E 00	9.4195E-02	1.4457E 00
7.50	1.4610E 00	8.2729E-01	1.4721E 00	6.1132E-01	1.4757E 00	4.4641E-01	1.4777E 00	2.3496E-01	1.4777E 00	2.3496E-01	1.4777E 00
10.00	1.4754E 00	9.6268E-01	1.4888E 00	7.6936E-01	1.4934E 00	6.0780E-01	1.4963E 00	3.7515E-01	1.4963E 00	3.7515E-01	1.4963E 00
15.00	1.4908E 00	1.2121E 00	1.5069E 00	4.6995E-01	1.5129E 00	8.3018E-01	1.5171E 00	6.0207E-01	1.5171E 00	6.0207E-01	1.5171E 00
20.00	1.4989E 00	1.2105E 00	1.5166E 00	1.0897E 00	1.5235E 00	9.7109E-01	1.5286E 00	7.6390E-01	1.5286E 00	7.6390E-01	1.5286E 00
30.00	1.5073E 00	1.3072E 00	1.5268E 00	1.2247E 00	1.5346E 00	1.1365E 00	1.5408E 00	9.7007E-01	1.5408E 00	9.7007E-01	1.5408E 00
50.00	1.5143E 00	1.3902E 00	1.5352E 00	1.3450E 00	1.5440E 00	1.2849E 00	1.5511E 00	1.1751E 00	1.5511E 00	1.1751E 00	1.5511E 00
75.00	1.5178E 00	1.4338E 00	1.5396E 00	1.4496E 00	1.5498E 00	1.3735E 00	1.5566E 00	1.2935E 00	1.5566E 00	1.2935E 00	1.5566E 00
100.00	1.5186E 00	1.4641E 00	1.5418E 00	1.4431E 00	1.5513E 00	1.4176E 00	1.5549E 00	1.3572E 00	1.5549E 00	1.3572E 00	1.5549E 00
150.00	1.5215E 00	1.4787E 00	1.5440E 00	1.4774E 00	1.5545E 00	1.4632E 00	1.5621E 00	1.4240E 00	1.5621E 00	1.4240E 00	1.5621E 00
200.00	1.5224E 00	1.4902E 00	1.5454E 00	1.4949E 00	1.5551E 00	1.4865E 00	1.5635E 00	1.4597E 00	1.5635E 00	1.4597E 00	1.5635E 00
300.00	1.5233E 00	1.5017E 00	1.5463E 00	1.5126E 00	1.5563E 00	1.5103E 00	1.5650E 00	1.4942E 00	1.5650E 00	1.4942E 00	1.5650E 00
400.00	1.5237E 00	1.5075E 00	1.5469E 00	1.5215E 00	1.5570E 00	1.5223E 00	1.5657E 00	1.5123E 00	1.5657E 00	1.5123E 00	1.5657E 00
500.00	1.5240E 00	1.5110E 00	1.5472E 00	1.5269E 00	1.5573E 00	1.5295E 00	1.5662E 00	1.5232E 00	1.5662E 00	1.5232E 00	1.5662E 00
750.00	1.5244E 00	1.5157E 00	1.5476E 00	1.5341E 00	1.5578E 00	1.5392E 00	1.5667E 00	1.5390E 00	1.5667E 00	1.5390E 00	1.5667E 00
1000.00	1.5246E 00	1.5181E 00	1.5479E 00	1.5377E 00	1.5581E 00	1.5441E 00	1.5670E 00	1.5454E 00	1.5670E 00	1.5454E 00	1.5670E 00
2000.00	1.5248E 00	1.5216E 00	1.5482E 00	1.5431E 00	1.5585E 00	1.5519E 00	1.5674E 00	1.5566E 00	1.5674E 00	1.5566E 00	1.5674E 00
3000.00	1.5249E 00	1.5228E 00	1.5483E 00	1.5449E 00	1.5586E 00	1.5539E 00	1.5675E 00	1.5563E 00	1.5675E 00	1.5563E 00	1.5675E 00
4000.00	1.5250E 00	1.5237E 00	1.5484E 00	1.5458E 00	1.5587E 00	1.5552E 00	1.5676E 00	1.5562E 00	1.5676E 00	1.5562E 00	1.5676E 00
5000.00	1.5250E 00	1.5237E 00	1.5484E 00	1.5464E 00	1.5587E 00	1.5552E 00	1.5677E 00	1.5563E 00	1.5677E 00	1.5563E 00	1.5677E 00
10000.00	1.5251E 00	1.5251E 00	1.5485E 00	1.5475E 00	1.5588E 00	1.5574E 00	1.5678E 00	1.5566E 00	1.5678E 00	1.5566E 00	1.5678E 00
INF	1.5251E 00	1.5251E 00	1.5486E 00	1.5486E 00	1.5587E 00	1.5589E 00	1.5679E 00	1.5574E 00	1.5679E 00	1.5574E 00	1.5679E 00
TAU = 20.00			TAU = 25.00			TAU = 30.00			TAU = 40.00		
Z	X	Y	X	Y	Z	X	Y	Z	X	Y	Z
0.01	1.0112E 00	3.6461E-06	1.0112E 00	2.1b30E-06	1.0112E 00	1.4201E-06	1.0112E 00	7.7040E-07	1.0112E 00	7.7040E-07	1.0112E 00
0.05	1.0409E 00	1.8276E-05	1.0409E 00	1.1276E-05	1.0409E 00	7.4882E-06	1.0409E 00	3.9726E-06	1.0409E 00	3.9726E-06	1.0409E 00
0.10	1.0681E 00	3.8868E-05	1.0581E 00	2.3249E-05	1.0681E 00	1.3391E-05	1.0681E 00	8.1747E-06	1.0681E 00	8.1747E-06	1.0681E 00
0.20	1.1095E 00	8.1722E-05	1.1095E 00	4.8795E-05	1.1095E 00	3.1215E-05	1.1095E 00	1.7074E-05	1.1095E 00	1.7074E-05	1.1095E 00
0.30	1.1417E 00	1.2763E-04	1.1417E 00	7.5970E-05	1.1417E 00	5.0366E-05	1.1417E 00	2.6496E-05	1.1417E 00	2.6496E-05	1.1417E 00
0.40	1.1681E 00	1.7633E-04	1.1681E 00	1.0465E-04	1.1681E 00	6.8834E-05	1.1681E 00	3.6345E-05	1.1681E 00	3.6345E-05	1.1681E 00
0.50	1.1906E 00	2.2765E-04	1.1906E 00	1.3466E-04	1.1906E 00	8.8400E-05	1.1906E 00	4.6564E-05	1.1906E 00	4.6564E-05	1.1906E 00
0.60	1.2121E 00	2.8137E-04	1.2101E 00	1.6591E-04	1.2101E 00	1.0870E-04	1.2101E 00	5.7113E-05	1.2101E 00	5.7113E-05	1.2101E 00
0.80	1.2426E 00	3.9608E-04	1.2426E 00	2.3196E-04	1.2426E 00	1.5133E-04	1.2426E 00	7.9100E-05	1.2426E 00	7.9100E-05	1.2426E 00
1.00	1.2685E 00	5.2083E-04	1.2688E 00	3.9265E-04	1.2688E 00	1.9655E-04	1.2688E 00	1.0216E-04	1.2688E 00	1.0216E-04	1.2688E 00
1.50	1.3174E 00	8.4823E-04	1.3174E 00	5.0102E-04	1.3174E 00	3.2030E-04	1.3174E 00	1.6615E-04	1.3174E 00	1.6615E-04	1.3174E 00
2.00	1.3513E 00	1.4388E-03	1.3513E 00	7.4469E-04	1.3513E 00	4.6331E-04	1.3513E 00	2.3226E-04	1.3513E 00	2.3226E-04	1.3513E 00
3.00	1.3964E 00	1.4935E-03	1.3964E 00	1.8164E-03	1.3964E 00	9.0735E-04	1.3964E 00	3.9323E-04	1.3964E 00	3.9323E-04	1.3964E 00
4.00	1.4245E 00	1.5934E-03	1.4245E 00	5.6323E-03	1.4245E 00	2.2984E-03	1.4245E 00	1.4254E-03	1.4245E 00	1.4254E-03	1.4245E 00
5.00	1.4459E 00	3.6831E-02	1.4445E 00	1.4771E-02	1.4459E 00	6.2093E-03	1.4459E 00	1.4289E-03	1.4459E 00	1.4289E-03	1.4459E 00
7.50	1.4781E 00	1.2325E-01	1.4783E 00	6.4740E-02	1.4783E 00	3.4164E-02	1.4783E 00	9.7988E-03	1.4783E 00	9.7988E-03	1.4783E 00
10.00	1.4970E 00	2.3043E-01	1.4973E 00	1.4137E-01	1.4974E 00	8.6762E-02	1.4975E 00	3.2853E-02	1.4975E 00	3.2853E-02	1.4975E 00
15.00	1.5185E 00	4.3459E-01	1.5190E 00	3.1318E-01	1.5192E 00	2.2552E-01	1.5194E 00	1.1590E-01	1.5194E 00	1.1590E-01	1.5194E 00
20.00	1.5303E 00	5.9829E-01	1.5310E 00	4.6781E-01	1.5314E 00	3.6551E-01	1.5317E 00	2.2292E-01	1.5317E 00	2.2292E-01	1.5317E 00
30.00	1.5430E 00	8.2463E-01	1.5441E 00	7.0006E-01	1.5447E 00	5.9383E-01	1.5452E 00	4.2684E-01	1.5452E 00	4.2684E-01	1.5452E 00
50.00	1.5540E 00	1.0469E 00	1.5554E 00	9.6746E-01	1.5562E 00	8.7669E-01	1.5571E 00	7.1923E-01	1.5571E 00	7.1923E-01	1.5571E 00
75.00	1.5597E 00	1.2139E 00	1.5614E 00	1.1377E 00	1.5623E 00	1.0656E 00	1.5634E 00	9.3411E-01	1.5634E 00	9.3411E-01	1.5634E 00
100.00	1.5627E 00	1.2946E 00	1.5644E 00	1.2333E 00	1.5655E 00	1.0749E 00	1.5667E 00	1.0647E 00	1.5667E 00	1.0647E 00	1.5667E 00
150.00	1.5657E 00	1.3812E 00	1.5676E 00	1.3381E 00	1.5687E 00	1.2955E 00	1.5700E 00	1.2136E 00	1.5700E 00	1.2136E 00	1.5700E 00
200.00	1.5672E 00	1.4265E 00	1.5692E 00	1.3935E 00	1.5704E 00	1.3604E 00	1.5717E 00	1.2957E 00	1.5717E 00	1.2957E 00	1.5717E 00
300.00	1.5687E 00	1.4734E 00	1.5708E 00	1.4512E 00	1.5720E 00	1.4486E 00	1.5735E 00	1.3834E 00	1.5735E 00	1.3834E 00	1.5735E 00
400.00	1.5695E 00	1.4974E 00	1.5716E 00	1.4810E 00	1.5729E 00	1.4640E 00	1.57				

<u>OMEGA = 0.60</u>						
	TAU = 50.00		TAU = 75.00		TAU = 100.0	
Z	X	Y	X	Y	X	Y
0.01	1.0112E 00	4.9429E-07	1.0112E 00	2.4414E-07	1.0112E 00	1.4339E-07
0.05	1.0409E 00	2.5479E-06	1.0409E 00	1.2578E-06	1.0409E 00	7.2981E-07
0.10	1.0681E 00	5.2388E-06	1.0681E 00	2.5843E-06	1.0681E 00	1.5013E-06
0.20	1.1095E 00	1.0925E-05	1.1095E 00	5.3814E-06	1.1095E 00	3.1271E-06
0.30	1.1417E 00	1.6927E-05	1.1417E 00	8.3251E-06	1.1417E 00	4.8373E-06
0.40	1.1681E 00	2.3182E-05	1.1681E 00	1.1384E-05	1.1681E 00	6.6135E-06
0.50	1.1906E 00	2.9651E-05	1.1906E 00	1.4538E-05	1.1906E 00	8.4442E-06
0.60	1.2101E 00	3.6308E-05	1.2101E 00	1.7773E-05	1.2101E 00	1.0321E-05
0.80	1.2426E 00	5.0112E-05	1.2426E 00	2.4450E-05	1.2426E 00	1.4192E-05
1.00	1.2688E 00	6.4494E-05	1.2688E 00	3.1358E-05	1.2688E 00	1.8193E-05
1.50	1.3174E 00	1.0263E-04	1.3174E 00	4.9435E-05	1.3174E 00	2.8643E-05
2.00	1.3513E 00	1.4363E-04	1.3513E 00	6.8460E-05	1.3513E 00	3.9606E-05
3.00	1.3964E 00	2.3461E-04	1.3964E 00	1.0893E-04	1.3964E 00	6.2779E-05
4.00	1.4254E 00	3.4705E-04	1.4254E 00	1.5252E-04	1.4254E 00	8.7439E-05
5.00	1.4459E 00	5.4733E-04	1.4459E 00	2.0010E-04	1.4459E 00	1.1355E-04
7.50	1.4783E 00	3.0555E-03	1.4783E 00	4.1648E-04	1.4783E 00	1.8876E-04
10.00	1.4975E 00	1.2640E-02	1.4975E 00	1.4467E-03	1.4975E 00	3.4847E-04
15.00	1.5194E 00	6.0676E-02	1.5195E 00	1.2032E-02	1.5195E 00	2.5918E-03
20.00	1.5318E 00	1.3592E-01	1.5319E 00	3.9636E-02	1.5319E 00	1.1740E-02
30.00	1.5454E 00	3.0663E-01	1.5456E 00	1.3411E-01	1.5457E 00	5.8754E-02
50.00	1.5574E 00	5.8970E-01	1.5579E 00	3.5869E-01	1.5580E 00	2.1811E-01
75.00	1.5639E 00	8.1840E-01	1.5645E 00	5.8752E-01	1.5648E 00	4.2138E-01
100.00	1.5673E 00	9.6426E-01	1.5680E 00	7.5212E-01	1.5683E 00	5.8640E-01
150.00	1.5707E 00	1.1362E 00	1.5716E 00	9.6301E-01	1.5721E 00	8.1584E-01
200.00	1.5725E 00	1.2334E 00	1.5735E 00	1.0987E 00	1.5740E 00	9.6237E-01
300.00	1.5743E 00	1.3390E 00	1.5754E 00	1.2322E 00	1.5760E 00	1.1333E 00
400.00	1.5752E 00	1.3951E 00	1.5764E 00	1.3119E 00	1.5770E 00	1.2311E 00
500.00	1.5758E 00	1.4299E 00	1.5770E 00	1.3614E 00	1.5776E 00	1.2958E 00
750.00	1.5765E 00	1.4776E 00	1.5777E 00	1.4305E 00	1.5784E 00	1.3843E 00
1000.00	1.5769E 00	1.5021E 00	1.5781E 00	1.4663E 00	1.5788E 00	1.4309E 00
2000.00	1.5774E 00	1.5396E 00	1.5787E 00	1.5218E 00	1.5794E 00	1.5036E 00
3000.00	1.5776E 00	1.5523E 00	1.5789E 00	1.5407E 00	1.5796E 00	1.5287E 00
4000.00	1.5777E 00	1.5587E 00	1.5790E 00	1.5503E 00	1.5798E 00	1.5414E 00
5000.00	1.5778E 00	1.5625E 00	1.5791E 00	1.5561E 00	1.5798E 00	1.5490E 00
6000.00	1.5778E 00	1.5651E 00	1.5791E 00	1.5599E 00	1.5799E 00	1.5542E 00
7000.00	1.5778E 00	1.5669E 00	1.5792E 00	1.5627E 00	1.5799E 00	1.5578E 00
8000.00	1.5779E 00	1.5683E 00	1.5792E 00	1.5647E 00	1.5799E 00	1.5606E 00
9000.00	1.5779E 00	1.5694E 00	1.5792E 00	1.5664E 00	1.5799E 00	1.5628E 00
10000.00	1.5779E 00	1.5702E 00	1.5792E 00	1.5677E 00	1.5799E 00	1.5645E 00
INF	1.5780E 00	1.5786E 00	1.5793E 00	1.5793E 00	1.5801E 00	1.5810E 00
TAU = 244.9						
Z	X	Y	X	Y	X	Y
0.01	1.0112E 00	5.9178E-09				
0.05	1.0409E 00	3.6367E-08				
0.10	1.0681E 00	7.4549E-08				
0.20	1.1095E 00	1.5508E-07				
0.30	1.1417E 00	2.3980E-07				
0.40	1.1681E 00	3.2778E-07				
0.50	1.1966E 00	4.1846E-07				
0.60	1.2101E 00	5.1143E-07				
0.80	1.2426E 00	7.0313E-07				
1.00	1.2688E 00	9.0123E-07				
1.50	1.3174E 00	1.4186E-06				
2.00	1.3513E 00	1.9610E-06				
3.00	1.3964E 00	3.1066E-06				
4.00	1.4254E 00	4.3238E-06				
5.00	1.4459E 00	5.6092E-06				
7.50	1.4783E 00	9.1294E-06				
10.00	1.4975E 00	1.3136E-05				
15.00	1.5195E 00	2.3131E-05				
20.00	1.5319E 00	4.4223E-05				
30.00	1.5457E 00	5.4032E-04				
50.00	1.5581E 00	1.2185E-02				
75.00	1.5649E 00	6.1330E-02				
100.00	1.5686E 00	1.3803E-01				
150.00	1.5725E 00	3.1097E-01				
200.00	1.5745E 00	4.6689E-01				
300.00	1.5766E 00	7.0105E-01				
400.00	1.5777E 00	8.5908E-01				
500.00	1.5784E 00	9.7054E-01				
750.00	1.5792E 00	1.1420E 00				
1000.00	1.5797E 00	1.2387E 00				
2000.00	1.5804E 00	1.3995E 00				
3000.00	1.5806E 00	1.4576E 00				
4000.00	1.5807E 00	1.4875E 00				
5000.00	1.5806E 00	1.5059E 00				
6000.00	1.5809E 00	1.5181E 00				
7000.00	1.5809E 00	1.5269E 00				
8000.00	1.5809E 00	1.5336E 00				
9000.00	1.5809E 00	1.5388E 00				
10000.00	1.5809E 00	1.5430E 00				
INF	1.5811E 00	1.5811E 00				

OMEGA = 0.70

Z	TAU = 0.050		TAU = 0.100		TAU = 0.200		TAU = 0.300	
	X	Y	X	Y	X	Y	X	Y
0.01	1.0122E 00	1.4453E-02	1.0124E 00	5.9676E-03	1.0127E 00	4.4513E-03	1.0128E 00	3.6345E-03
0.05	1.0325E 00	3.9667E-01	1.0409E 00	1.6601E-01	1.0452E 00	4.3622E-02	1.0464E 00	2.2915E-02
0.10	1.0393E 00	6.4246E-01	1.0556E 00	4.1576E-01	1.0697E 00	1.8513E-01	1.0749E 00	9.3998E-02
0.20	1.0435E 00	8.2097E-01	1.0667E 00	6.6834E-01	1.0938E 00	4.4655E-01	1.1082E 00	3.0421E-01
0.30	1.0450E 00	8.9061E-01	1.0712E 00	7.8417E-01	1.1052E 00	6.0686E-01	1.1261E 00	4.7147E-01
0.40	1.0459E 00	9.2764E-01	1.0736E 00	8.4962E-01	1.1117E 00	7.0874E-01	1.1369E 00	5.9043E-01
0.50	1.0463E 00	9.5061E-01	1.0751E 00	8.9155E-01	1.1160E 00	7.7832E-01	1.1442E 00	6.7686E-01
0.60	1.0467E 00	9.6624E-01	1.0761E 00	9.2067E-01	1.1190E 00	8.2862E-01	1.1494E 00	7.4185E-01
0.80	1.0471E 00	9.8815E-01	1.0774E 00	9.5845E-01	1.1228E 00	8.9620E-01	1.1564E 00	8.3246E-01
1.00	1.0474E 00	9.9829E-01	1.0782E 00	9.8188E-01	1.1253E 00	9.3961E-01	1.1608E 00	8.9234E-01
1.50	1.0477E 00	1.0147E 00	1.0793E 00	1.0140E 00	1.1286E 00	1.0008E 00	1.1671E 00	9.7927E-01
2.00	1.0479E 00	1.0230E 00	1.0796E 00	1.0305E 00	1.1304E 00	1.0329E 00	1.1703E 00	1.0280E 00
3.00	1.0480E 00	1.0314E 00	1.0804E 00	1.0472E 00	1.1321E 00	1.0661E 00	1.1737E 00	1.0751E 00
4.00	1.0481E 00	1.0356E 00	1.0807E 00	1.0557E 00	1.1330E 00	1.0851E 00	1.1754E 00	1.1005E 00
5.00	1.0482E 00	1.0382E 00	1.0809E 00	1.0608E 00	1.1336E 00	1.0934E 00	1.1764E 00	1.1161E 00
7.50	1.0483E 00	1.0416E 00	1.0811E 00	1.0677E 00	1.1343E 00	1.1078E 00	1.1778E 00	1.1372E 00
10.00	1.0483E 00	1.0433E 00	1.0812E 00	1.0712E 00	1.1347E 00	1.1146E 00	1.1785E 00	1.1479E 00
15.00	1.0483E 00	1.0456E 00	1.0813E 00	1.0766E 00	1.1350E 00	1.1215E 00	1.1793E 00	1.1587E 00
20.00	1.0483E 00	1.0465E 00	1.0814E 00	1.0764E 00	1.1352E 00	1.1250E 00	1.1794E 00	1.1642E 00
30.00	1.0484E 00	1.0467E 00	1.0815E 00	1.0781E 00	1.1354E 00	1.1286E 00	1.1800E 00	1.1697E 00
50.00	1.0484E 00	1.0474E 00	1.0815E 00	1.0795E 00	1.1355E 00	1.1315E 00	1.1803E 00	1.1741E 00
75.00	1.0484E 00	1.0477E 00	1.0815E 00	1.0802E 00	1.1356E 00	1.1329E 00	1.1804E 00	1.1763E 00
100.00	1.0484E 00	1.0479E 00	1.0815E 00	1.0805E 00	1.1357E 00	1.1336E 00	1.1805E 00	1.1774E 00
150.00	1.0484E 00	1.0481E 00	1.0816E 00	1.0809E 00	1.1357E 00	1.1343E 00	1.1805E 00	1.1785E 00
200.00	1.0484E 00	1.0481E 00	1.0816E 00	1.0811E 00	1.1357E 00	1.1347E 00	1.1806E 00	1.1790E 00
300.00	1.0484E 00	1.0482E 00	1.0816E 00	1.0812E 00	1.1357E 00	1.1350F 00	1.1806E 00	1.1796E 00
400.00	1.0484E 00	1.0483E 00	1.0816E 00	1.0813E 00	1.1357E 00	1.1352E 00	1.1806E 00	1.1799E 00
500.00	1.0484E 00	1.0483E 00	1.0816E 00	1.0814E 00	1.1357E 00	1.1353E 00	1.1806E 00	1.1800E 00
750.00	1.0484E 00	1.0483E 00	1.0816E 00	1.0814E 00	1.1358E 00	1.1355E 00	1.1807E 00	1.1802E 00
1000.00	1.0484E 00	1.0483E 00	1.0816E 00	1.0815E 00	1.1358E 00	1.1356E 00	1.1807E 00	1.1804E 00
2000.00	1.0484E 00	1.0484E 00	1.0816E 00	1.0815E 00	1.1358E 00	1.1357E 00	1.1807E 00	1.1805E 00
3000.00	1.0484E 00	1.0484E 00	1.0816E 00	1.0815E 00	1.1358E 00	1.1357E 00	1.1807E 00	1.1806E 00
4000.00	1.0484E 00	1.0484E 00	1.0816E 00	1.0815E 00	1.1358E 00	1.1357E 00	1.1807E 00	1.1806E 00
5000.00	1.0484E 00	1.0484E 00	1.0816E 00	1.0816E 00	1.1358E 00	1.1357E 00	1.1807E 00	1.1806E 00
6000.00	1.0484E 00	1.0484E 00	1.0816E 00	1.0816E 00	1.1358E 00	1.1357E 00	1.1807E 00	1.1806E 00
7000.00	1.0484E 00	1.0484E 00	1.0816E 00	1.0816E 00	1.1358E 00	1.1357E 00	1.1807E 00	1.1806E 00
8000.00	1.0484E 00	1.0484E 00	1.0816E 00	1.0816E 00	1.1358E 00	1.1357E 00	1.1807E 00	1.1807E 00
9000.00	1.0484E 00	1.0484E 00	1.0816E 00	1.0816E 00	1.1358E 00	1.1357E 00	1.1807E 00	1.1807E 00
10000.00	1.0484E 00	1.0484E 00	1.0816E 00	1.0816E 00	1.1358E 00	1.1357E 00	1.1807E 00	1.1807E 00
INF	1.0484E 00	1.0484E 00	1.0816E 00	1.0816E 00	1.1358E 00	1.1358E 00	1.1807E 00	1.1807E 00

Z	TAU = 0.400		TAU = 0.500		TAU = 0.600		TAU = 0.800	
	X	Y	X	Y	X	Y	X	Y
0.01	1.0129E 00	3.0956E-03	1.0130E 00	2.7015E-03	1.0131E 00	2.3936E-03	1.0132E 00	1.9339E-03
0.05	1.0471E 00	1.7467E-02	1.0475E 00	1.4839E-02	1.0479E 00	1.3027E-02	1.0484E 00	1.0440E-02
0.10	1.0773E 00	5.6433E-02	1.0786E 00	3.9725E-02	1.0795E 00	3.1357E-02	1.0806E 00	2.3212E-02
0.20	1.1166E 00	2.1282E-01	1.1217E 00	1.5373E-01	1.1250E 00	1.1505F-01	1.1288E 00	7.1732E-02
0.30	1.1397E 00	3.6905E-01	1.1490E 00	2.9172E-01	1.1554E 00	2.3324E-01	1.1635E 00	1.5489E-01
0.40	1.1545E 00	4.9272E-01	1.1673E 00	4.1256E-01	1.1767E 00	3.4649E-01	1.1891E 00	2.4921E-01
0.50	1.1646E 00	5.8814E-01	1.1803E 00	5.1137E-01	1.1921E 00	4.4928E-01	1.2084E 00	3.3976E-01
0.60	1.1723E 00	6.6226E-01	1.1900E 00	5.9152E-01	1.2038E 00	5.2806E-01	1.2238E 00	4.2145E-01
0.80	1.1825E 00	7.7034E-01	1.2034E 00	7.1136E-01	1.2203E 00	6.5598E-01	1.2458E 00	5.5652E-01
1.00	1.1891E 00	8.4376E-01	1.2122E 00	7.9559E-01	1.2313E 00	7.4867E-01	1.2609E 00	6.6025E-01
1.50	1.1985E 00	9.5332E-01	1.2250E 00	9.2480E-01	1.2475E 00	8.9478E-01	1.2838E 00	8.3275E-01
2.00	1.2035E 00	1.0135E 00	1.2318E 00	9.9750E-01	1.2563E 00	9.7930E-01	1.2964E 00	9.3677E-01
3.00	1.2087E 00	1.0779E 00	1.2390E 00	1.0765E 00	1.2657E 00	1.0717E 00	1.3103E 00	1.0548E 00
4.00	1.2114E 00	1.1117E 00	1.2428E 00	1.1183E 00	1.2705E 00	1.1219E 00	1.3176E 00	1.1197E 00
5.00	1.2130E 00	1.1325E 00	1.2451E 00	1.1443E 00	1.2735E 00	1.1525F 00	1.3212E 00	1.1607E 00
7.50	1.2152E 00	1.1638E 00	1.2492E 00	1.1799E 00	1.2776E 00	1.1953E 00	1.3283E 00	1.2178E 00
10.00	1.2163E 00	1.1753E 00	1.2497E 00	1.1981E 00	1.2797E 00	1.2175E 00	1.3314E 00	1.2475E 00
15.00	1.2175E 00	1.1899E 00	1.2513E 00	1.2166E 00	1.2818E 00	1.2398E 00	1.3346E 00	1.2779E 00
20.00	1.2180E 00	1.1973E 00	1.2521E 00	1.2260E 00	1.2828E 00	1.2512E 00	1.3362E 00	1.2934E 00
30.00	1.2186E 00	1.2047E 00	1.2529E 00	1.2354E 00	1.2839E 00	1.2627E 00	1.3379E 00	1.3091E 00
50.00	1.2190E 00	1.2121E 00	1.2536E 00	1.2430E 00	1.2847E 00	1.2720E 00	1.3392E 00	1.3219E 00
75.00	1.2193E 00	1.2137E 00	1.2539E 00	1.2469E 00	1.2852E 00	1.2766E 00	1.3398E 00	1.3283E 00
100.00	1.2194E 00	1.2152E 00	1.2541E 00	1.2488E 00	1.2854E 00	1.2790E 00	1.3402E 00	1.3315E 00
150.00	1.2195E 00	1.2167E 00	1.2542E 00	1.2507E 00	1.2856E 00	1.2813E 00	1.3405E 00	1.3347E 00
200.00	1.2196E 00	1.2175E 00	1.2543E 00	1.2517E 00	1.2857E 00	1.2825E 00	1.3407E 00	1.3363E 00
300.00	1.2196E 00	1.2182E 00	1.2544E 00	1.2526E 00	1.2858E 00	1.2837E 00	1.3408E 00	1.3379E 00
400.00	1.2197E 00	1.2186E 00	1.2544E 00	1.2531E 00	1.2859E 00	1.2843E 00	1.3409E 00	1.3387E 00
500.00	1.2197E 00	1.2188E 00	1.2544E 00	1.2534E 00	1.2859E 00	1.2846E 00	1.3410E 00	1.3392E 00
750.00	1.2197E 00	1.2191E 00	1.2545E 00	1.2538E 00	1.2859E 00	1.2851E 00	1.3410E 00	1.3399E 00
1000.00	1.2197E 00	1.2193E 00	1.2545E 00	1.2540E 00	1.2860E 00	1.2853E 00	1.3411E 00	1.3402E 00
2000.00	1.2197E 00	1.2195E 00	1.2545E 00	1.2543E 00	1.2860E 00	1.2857E 00	1.3411E 00	1.3407E 00
3000.00	1.2197E 00	1.2196E 00	1.2545E 00	1.2543E 00	1.2860E 00	1.2858E 00	1.3411E 00	1.3409E 00
4000.00	1.2197E 00	1.2196E 00	1.2545E 00	1.2544E 00	1.2860E 00	1.2859E 00	1.3411E 00	1.3409E 00
5000.00	1.2197E 00	1.2195E 00	1.2545E 00	1.2544E 00	1.2860E 00	1.2859E 00	1.3412E 00	1.3410E 00
6000.00	1.2197E 00	1.2197E 00	1.2545E 00	1.2544E 00	1.2860E 00	1.2859E 00	1.3412E 00	1.3410E 00
7000.00	1.2197E 00	1.2197E 00	1.2545E 00	1.2545E 00	1.2860E 00	1.2859E 00	1.3412E 00	1.3410E 00
8000.00	1.2197E 00	1.2197E 00	1.2545E 00	1.2545E 00	1.2860E 00	1.2859E 00	1.3412E 00	1.3411E 00
9000.00	1.2197E 00	1.2197E 00	1.2545E 00	1.2545E 00	1.2860E 00	1.2859E 00	1.3412E 00	1.3411E 00
10000.00	1.2197E 00	1.2197E 00	1.2545E 00	1.2545E 00	1.2860E 00	1.2859E 00	1.3412E 00	1.3411E 00
INF	1.2197E 00	1.2197E 00	1.2545E 00	1.2545E 00	1.2860E 00	1.2860E 00	1.3412E 00	1.3412E 00

OMEGA = 0.70

Z	TAU = 1.000			TAU = 1.500			TAU = 2.000			TAU = 2.500		
	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z
0.01	1.0132E 00	1.6026E-03	1.0133E 00	1.0694E-03	1.0134E 00	7.5451E-04	1.0134E 00	5.5155E-04				
0.05	1.0498E 00	8.6114E-03	1.0491E 00	5.7098E-03	1.0494E 00	4.0146E-03	1.0495E 00	2.9271E-03				
0.10	1.0813E 00	1.6762E-02	1.0823E 00	1.5279E-02	1.0828E 00	8.5870E-03	1.0830E 00	6.2391E-03				
0.20	1.1309E 00	5.0600E-02	1.1334E 00	2.8835E-02	1.1344E 00	1.9539E-02	1.1350E 00	1.4036E-02				
0.30	1.1680E 00	1.0652E-01	1.1731E 00	5.5129E-02	1.1750E 00	3.4459E-02	1.1759E 00	2.3891E-02				
0.40	1.1965E 00	1.8322E-01	1.2052E 00	9.4716E-02	1.2085E 00	5.6454E-02	1.2094E 00	3.7357E-02				
0.50	1.2189E 00	2.6198E-01	1.2317E 00	1.4548E-01	1.2368E 00	8.6590E-02	1.2390E 00	5.6200E-02				
0.60	1.2368E 00	3.3782E-01	1.2539E 00	1.9959E-01	1.2609E 00	1.2348E-01	1.2641E 00	8.0232E-02				
0.80	1.2635E 00	4.7149E-01	1.2808E 00	3.1205E-01	1.3000E 00	2.0873E-01	1.3056E 00	1.4193E-01				
1.00	1.2823E 00	5.8013E-01	1.3143E 00	4.1639E-01	1.3301E 00	2.9780E-01	1.3382E 00	2.1347E-01				
1.50	1.3111E 00	7.7054E-01	1.3564E 00	6.2415E-01	1.3812E 00	4.9809E-01	1.3954E 00	3.9399E-01				
2.00	1.3291E 00	8.9055E-01	1.3816E 00	7.6988E-01	1.4313E 00	6.5373E-01	1.4322E 00	5.4877E-01				
3.00	1.3463E 00	1.0310E 00	1.4102E 00	9.5373E-01	1.4504E 00	8.6516E-01	1.4764E 00	7.7488E-01				
4.00	1.3560E 00	1.1100E 00	1.4259E 00	1.0631E 00	1.4715E 00	9.9802E-01	1.5020E 00	9.2490E-01				
5.00	1.3621E 00	1.1652E 00	1.4359E 00	1.1351E 00	1.4850E 00	1.0882E 00	1.5186E 00	1.0298E 00				
7.50	1.3704E 00	1.2316E 00	1.4498E 00	1.2395E 00	1.5042E 00	1.2222E 00	1.5424E 00	1.1902E 00				
10.00	1.3747E 00	1.2689E 00	1.4571E 00	1.2954E 00	1.5143E 00	1.2960E 00	1.5551E 00	1.2802E 00				
15.00	1.3791E 00	1.3074E 00	1.4665E 00	1.3591E 00	1.5247E 00	1.3744E 00	1.5683E 00	1.3775E 00				
20.00	1.3813E 00	1.3271E 00	1.4683E 00	1.3845E 00	1.5301E 00	1.4155E 00	1.5752E 00	1.4291F 00				
30.00	1.3836E 00	1.3471E 00	1.4722E 00	1.4156E 00	1.5355E 00	1.4579E 00	1.5821E 00	1.4828E 00				
50.00	1.3854E 00	1.3634E 00	1.4753E 00	1.4410E 00	1.5400E 00	1.4928E 00	1.5878E 00	1.5272E 00				
75.00	1.3863E 00	1.3716E 00	1.4769E 00	1.4539E 00	1.5422E 00	1.5105E 00	1.5907E 00	1.5500E 00				
100.00	1.3868E 00	1.3757E 00	1.4777E 00	1.4604E 00	1.5434E 00	1.5154E 00	1.5922E 00	1.5615E 00				
150.00	1.3872E 00	1.3798E 00	1.4785E 00	1.4669E 00	1.5445E 00	1.5285E 00	1.5936E 00	1.5731E 00				
200.00	1.3874E 00	1.3819E 00	1.4789E 00	1.4702E 00	1.5451E 00	1.5331E 00	1.5943E 00	1.5789E 00				
300.00	1.3877E 00	1.3840E 00	1.4793E 00	1.4735E 00	1.5456E 00	1.5376E 00	1.5951E 00	1.5848E 00				
400.00	1.3878E 00	1.3850E 00	1.4795E 00	1.4751E 00	1.5459E 00	1.5399E 00	1.5954E 00	1.5877E 00				
500.00	1.3879E 00	1.3856E 00	1.4796E 00	1.4761E 00	1.5461E 00	1.5413E 00	1.5957E 00	1.5895E 00				
750.00	1.3880E 00	1.3865E 00	1.4797E 00	1.4774E 00	1.5463E 00	1.5431E 00	1.5960E 00	1.5918E 00				
1000.00	1.3880E 00	1.3868E 00	1.4798E 00	1.4781E 00	1.5464E 00	1.5440E 00	1.5961E 00	1.5930E 00				
2000.00	1.3881E 00	1.3875E 00	1.4799E 00	1.4791E 00	1.5466E 00	1.5454E 00	1.5963E 00	1.5948E 00				
3000.00	1.3881E 00	1.3877E 00	1.4800E 00	1.4794E 00	1.5466E 00	1.5458E 00	1.5964E 00	1.5954E 00				
4000.00	1.3881E 00	1.3878E 00	1.4800E 00	1.4796E 00	1.5467E 00	1.5461E 00	1.5964E 00	1.5957E 00				
5000.00	1.3881E 00	1.3879E 00	1.4800E 00	1.4797E 00	1.5467E 00	1.5462E 00	1.5965E 00	1.5958E 00				
6000.00	1.3881E 00	1.3879E 00	1.4800E 00	1.4797E 00	1.5467E 00	1.5463E 00	1.5965E 00	1.5958E 00				
7000.00	1.3881E 00	1.3880E 00	1.4800E 00	1.4798E 00	1.5467E 00	1.5466E 00	1.5965E 00	1.5940E 00				
8000.00	1.3881E 00	1.3880E 00	1.4800E 00	1.4798E 00	1.5467E 00	1.5466E 00	1.5965E 00	1.5941E 00				
9000.00	1.3881E 00	1.3880E 00	1.4800E 00	1.4798E 00	1.5467E 00	1.5466E 00	1.5965E 00	1.5942E 00				
10000.00	1.3881E 00	1.3880E 00	1.4800E 00	1.4798E 00	1.5467E 00	1.5466E 00	1.5965E 00	1.5942E 00				
INF	1.3881E 00	1.3881E 00	1.4801E 00	1.4801E 00	1.5468E 00	1.5468E 00	1.5965E 00	1.5943E 00				

TAU = 3.000 TAU = 3.500 TAU = 4.000 TAU = 4.500

Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z
0.01	1.0134E 00	4.1386E-04	1.0134E 00	3.1724E-04	1.0134E 00	2.4764E-04	1.0134E 00	1.9645E-04				
0.05	1.0495E 00	2.1921E-03	1.0496E 00	1.6776E-03	1.0496E 00	1.3077E-03	1.0496E 00	1.0361E-03				
0.10	1.0831E 00	4.6601E-03	1.0832E 00	3.5585E-03	1.0833E 00	2.7387E-03	1.0833E 00	2.1896E-03				
0.20	1.1333E 00	1.0612E-02	1.1354E 00	7.9094E-03	1.1355E 00	6.1272E-03	1.1356E 00	4.8279E-03				
0.30	1.1764E 00	1.7443E-02	1.1767E 00	1.3134E-02	1.1768E 00	1.0114E-02	1.1769E 00	7.9311E-03				
0.40	1.2107E 00	2.6452E-02	1.2111E 00	1.9557E-02	1.2113E 00	1.4890E-02	1.2115E 00	1.1588E-02				
0.50	1.2401E 00	3.8572E-02	1.2407E 00	2.7878E-02	1.2410E 00	2.0833E-02	1.2412E 00	1.6010E-02				
0.60	1.2657E 00	5.4621E-02	1.2665E 00	3.6758E-02	1.2670E 00	2.6485E-02	1.2673E 00	2.1554E-02				
0.80	1.3084E 00	9.8449E-02	1.3099E 00	6.9793E-02	1.3107E 00	5.0609E-02	1.3112E 00	3.7532E-02				
1.00	1.3425E 00	1.5393E-01	1.3449E 00	1.1200E-01	1.3462E 00	8.2368E-02	1.3470E 00	6.1338E-02				
1.50	1.4036E 00	3.1003E-01	1.4086E 00	2.4324E-01	1.4116E 00	1.9073F-01	1.4134E 00	1.4961E-01				
2.00	1.4440E 00	4.5708E-01	1.4515E 00	3.7866E-01	1.4562E 00	3.1253E-01	1.4593E 00	2.5732E-01				
3.00	1.4938E 00	6.8791E-01	1.5052E 00	6.0681E-01	1.5131E 00	5.3274E-01	1.5185E 00	4.6604E-01				
4.00	1.5229E 00	8.4950E-01	1.5374E 00	7.7523E-01	1.5476E 00	7.0406E-01	1.5549E 00	6.3711E-01				
5.00	1.5421E 00	9.6595E-01	1.5587E 00	9.0025E-01	1.5707E 00	8.3505E-01	1.5794E 00	7.7181E-01				
7.50	1.5699E 00	1.1487E 00	1.5900E 00	1.1018E 00	1.6048E 00	1.0520E 00	1.6165E 00	1.0010E 00				
10.00	1.5847E 00	1.2537E 00	1.6096E 00	1.2202E 00	1.6235E 00	1.1824E 00	1.6361E 00	1.1419E 00				
15.00	1.5906E 00	1.3689E 00	1.6249E 00	1.3523E 00	1.6433E 00	1.3300E 00	1.6576E 00	1.3040E 00				
20.00	1.6087E 00	1.4307E 00	1.6342E 00	1.4239E 00	1.6537E 00	1.4111E 00	1.6689E 00	1.3940E 00				
30.00	1.6171E 00	1.4955E 00	1.6438E 00	1.4995E 00	1.6644E 00	1.4973E 00	1.6806E 00	1.4906E 00				
50.00	1.6239E 00	1.5495E 00	1.6517E 00	1.5631E 00	1.6732E 00	1.5703E 00	1.6933E 00	1.5728E 00				
75.00	1.6274E 00	1.5773E 00	1.6657E 00	1.5959E 00	1.6777E 00	1.6024E 00	1.6952E 00	1.6150E 00				
100.00	1.6292E 00	1.5914E 00	1.6577E 00	1.6126E 00	1.6800E 00	1.6275E 00	1.6977E 00	1.6377E 00				
150.00	1.6309E 00	1.6056E 00	1.6597E 00	1.6295E 00	1.6823E 00	1.6471E 00	1.7002E 00	1.6599E 00				
200.00	1.6318E 00	1.6126E 00	1.6607E 00	1.6308E 00	1.6834E 00	1.6569E 00	1.7015E 00	1.6711E 00				
300.00	1.6337E 00	1.6200E 00	1.6611E 00	1.6666E 00	1.6846E 00	1.6659E 00	1.7028E 00	1.6824E 00				
400.00	1.6331E 00	1.6236E 00	1.6623E 00	1.6509E 00	1.6852E 00	1.6719E 00	1.7034E 00	1.6881E 00				
500.00	1.6334E 00	1.6259E 00	1.6625E 00	1.6535E 00	1.6855E 00	1.6749E 00	1.7038E 00	1.6915E 00				
750.00	1.6336E 00	1.6287E 00	1.6630E 00	1.6569E 00	1.6860E 00	1.6749E 00	1.7044E 00	1.6961E 00				
1000.00	1.6339E 00	1.6301E 00	1.6632E 00	1.6598E 00	1.6862E 00	1.6809E 00	1.7045E 00	1.6984E 00				
2000.00	1.6342E 00	1.6323E 00	1.6635E 00	1.6612E 00	1.6866E 00	1.6849E 00	1.7049E 00	1.7019E 00				
3000.00	1.6343E 00	1.6330E 00	1.6635E 00	1.6631E 00	1.6868E 00	1.6850E 00	1.7050E 00	1.7030E 00				
4000.00	1.6343E 00	1.6334E 00	1.6637E 00	1.6621E 00	1.6867E 00	1.6849E 00	1.7051E 00	1.7036E 00				
5000.00	1.6											

OMEGA = 0.70

TAU = 5.000		TAU = 7.500		TAU = 10.00		TAU = 15.00		
z	x	y	x	y	x	y	x	y
0.01	1.0134E 00	1.5811E-04	1.0134E 00	6.3784E-05	1.0134E 00	3.2002E-05	1.0134E 00	1.1984E-05
0.05	1.0496E 00	8.3293E-04	1.0496E 00	3.3423E-04	1.0496E 00	1.6736E-04	1.0496E 00	6.2467E-05
0.10	1.0833E 00	1.7573E-03	1.0833E 00	7.0136E-04	1.0833E 00	3.4982E-04	1.0833E 00	1.3001E-04
0.20	1.1356E 00	3.8624E-03	1.1357E 00	1.5216E-03	1.1357E 00	7.5273E-04	1.1357E 00	2.7720E-04
0.30	1.1770E 00	6.3172E-03	1.1771E 00	2.4534E-03	1.1771E 00	1.2026E-03	1.1771E 00	4.3852E-04
0.40	1.2116E 00	9.1809E-03	1.2117E 00	3.5018E-03	1.2118E 00	1.6990E-03	1.2118E 00	6.1284E-04
0.50	1.2413E 00	1.2568E-02	1.2415E 00	4.6800E-03	1.2416E 00	2.2438E-03	1.2416E 00	7.9973E-04
0.60	1.2674E 00	1.6707E-02	1.2677E 00	6.0129E-03	1.2678E 00	2.8413E-03	1.2678E 00	9.9920E-04
0.80	1.3119E 00	2.8444E-02	1.3119E 00	9.3467E-03	1.3120E 00	4.2290E-03	1.3120E 00	1.4377E-03
1.00	1.3474E 00	4.6307E-02	1.3481E 00	1.6449E-02	1.3483E 00	5.9971E-03	1.3483E 00	1.9358E-03
1.50	1.4146E 00	1.75003E-01	1.4146E 00	3.7417E-02	1.4146E 00	1.4081E-02	1.4146E 00	3.6259E-03
2.00	1.4613E 00	2.1155E-01	1.4650E 00	7.9611E-02	1.4656E 00	3.1510E-02	1.4657E 00	6.8971E-03
3.00	1.5223E 00	4.0660E-01	1.5300E 00	2.0101E-01	1.5316E 00	9.8415E-02	1.5322E 00	2.4922E-02
4.00	1.5601E 00	5.7949E-01	1.5717E 00	3.3548E-01	1.5747E 00	1.9217E-01	1.5759E 00	6.2947E-02
5.00	1.5859E 00	7.1139E-01	1.6008E 00	4.6165E-01	1.6050E 00	2.9369E-01	1.6070E 00	1.1713E-01
7.50	1.6244E 00	9.50003E-01	1.6456E 00	1.74161E-01	1.6526E 00	5.2747E-01	1.6556E 00	2.8188E-01
10.00	1.6659E 00	1.1001E 00	1.6711E 00	8.9275E-01	1.6801E 00	7.1159E-01	1.6858E 00	4.6394E-01
15.00	1.6688E 00	1.2754E 00	1.6990E 00	1.1797E 00	1.7107E 00	9.6366E-01	1.7189E 00	7.0427E-01
20.00	1.6809E 00	1.3739E 00	1.7140E 00	1.2520E 00	1.7273E 00	1.1228E 00	1.7372E 00	8.8901E-01
30.00	1.6935E 00	1.4804E 00	1.7297E 00	1.4028E 00	1.7449E 00	1.3092E 00	1.7569E 00	1.1236E 00
50.00	1.7039E 00	1.5717E 00	1.7429E 00	1.5370E 00	1.7598E 00	1.4981E 00	1.7733E 00	1.3553E 00
75.00	1.7092E 00	1.6197E 00	1.7497E 00	1.6090E 00	1.7675E 00	1.5755E 00	1.784E 00	1.4905E 00
100.00	1.7119E 00	1.6442E 00	1.7531E 00	1.6463E 00	1.7714E 00	1.6250E 00	1.7869E 00	1.5626E 00
150.00	1.7146E 00	1.6691E 00	1.7566E 00	1.6845E 00	1.7754E 00	1.6762E 00	1.7915E 00	1.6382E 00
200.00	1.7160E 00	1.6817E 00	1.7583E 00	1.7039E 00	1.7774E 00	1.7024E 00	1.7938E 00	1.6774E 00
300.00	1.7174E 00	1.6944E 00	1.7601E 00	1.7236E 00	1.7794E 00	1.7290E 00	1.7961E 00	1.7176E 00
400.00	1.7181E 00	1.7008E 00	1.7610E 00	1.7335E 00	1.7804E 00	1.7242E 00	1.7973E 00	1.7380E 00
500.00	1.7185E 00	1.7047E 00	1.7615E 00	1.7359E 00	1.7810E 00	1.7050E 00	1.7980E 00	1.7504E 00
750.00	1.7190E 00	1.7098E 00	1.7622E 00	1.7475E 00	1.7818E 00	1.7614E 00	1.7989E 00	1.7670E 00
1000.00	1.7193E 00	1.7124E 00	1.7626E 00	1.7515E 00	1.7822E 00	1.7669E 00	1.7994E 00	1.7754E 00
2000.00	1.7197E 00	1.7163E 00	1.7631E 00	1.7575E 00	1.7828E 00	1.7752E 00	1.8001E 00	1.7881E 00
3000.00	1.7199E 00	1.7176E 00	1.7633E 00	1.7596E 00	1.7830E 00	1.7779E 00	1.8004E 00	1.7923E 00
4000.00	1.7199E 00	1.7182E 00	1.7634E 00	1.7604E 00	1.7831E 00	1.7793E 00	1.8005E 00	1.7944E 00
5000.00	1.7200E 00	1.7186E 00	1.7634E 00	1.7612E 00	1.7832E 00	1.7801E 00	1.8005E 00	1.7957E 00
6000.00	1.7200E 00	1.7188E 00	1.7635E 00	1.7616E 00	1.7832E 00	1.7807E 00	1.8006E 00	1.7966E 00
7000.00	1.7200E 00	1.7194E 00	1.7635E 00	1.7619E 00	1.7833E 00	1.7811E 00	1.8006E 00	1.7972E 00
8000.00	1.7200E 00	1.7192E 00	1.7635E 00	1.7621E 00	1.7833E 00	1.7814E 00	1.8007E 00	1.7976E 00
9000.00	1.7200E 00	1.7193E 00	1.7635E 00	1.7623E 00	1.7833E 00	1.7816E 00	1.8007E 00	1.7980E 00
10000.00	1.7201E 00	1.7194E 00	1.7635E 00	1.7624E 00	1.7833E 00	1.7818E 00	1.8007E 00	1.7983E 00
INF	1.7201E 00	1.7201E 00	1.7636E 00	1.7636E 00	1.7834E 00	1.7834E 00	1.8008E 00	1.8008E 00

TAU = 20.00		TAU = 25.00		TAU = 30.00		TAU = 40.00		
z	x	y	x	y	x	y	x	y
0.01	1.0134E 00	6.0189E-06	1.0134E 00	3.6470E-06	1.0134E 00	2.3565E-06	1.0134E 00	1.2420E-06
0.05	1.0496E 00	3.1452E-05	1.0496E 00	1.8569E-05	1.0496E 00	1.2241E-05	1.0496E 00	6.4468E-06
0.10	1.0833E 00	6.5284E-05	1.0833E 00	3.8599E-05	1.0833E 00	2.5367E-05	1.0833E 00	1.3344E-05
0.20	1.1357E 00	1.3085E-04	1.1357E 00	8.1772E-05	1.1357E 00	5.3601E-05	1.1357E 00	2.6130E-05
0.30	1.1771E 00	2.1030E-04	1.1771E 00	1.2840E-04	1.1771E 00	8.3995E-05	1.1771E 00	4.3975E-05
0.40	1.2118E 00	3.0319E-04	1.2118E 00	1.7801E-04	1.2118E 00	1.1622E-04	1.2118E 00	6.0697E-05
0.50	1.2415E 00	3.9345E-04	1.2416E 00	2.3033E-04	1.2416E 00	1.5070E-04	1.2416E 00	7.8180E-05
0.60	1.2578E 00	4.8867E-04	1.2578E 00	2.8516E-04	1.2578E 00	1.8542E-04	1.2678E 00	9.6345E-05
0.80	1.3120E 00	6.9368E-04	1.3120E 00	4.0199E-04	1.3120E 00	2.6026E-04	1.3120E 00	1.3451E-04
1.00	1.3483E 00	9.1854E-04	1.3483E 00	5.2812E-04	1.3483E 00	3.4031E-04	1.3483E 00	1.7488E-04
1.50	1.4168E 00	1.5813E-03	1.4168E 00	8.8402E-04	1.4168E 00	5.6270E-04	1.4168E 00	2.0456E-04
2.00	1.4659E 00	2.5457E-03	1.4659E 00	1.3246E-03	1.4659E 00	8.2040E-04	1.4659E 00	4.0637E-04
3.00	1.5323E 00	7.5624E-03	1.5323E 00	3.0265E-03	1.5323E 00	1.5814E-03	1.5323E 00	6.9541E-04
4.00	1.5760E 00	2.1556E-02	1.5761E 00	8.1339E-03	1.5761E 00	3.5660E-03	1.5761E 00	1.1540E-03
5.00	1.6074E 00	4.7122E-02	1.6075E 00	1.9570E-02	1.6075E 00	9.0656E-03	1.6075E 00	2.2219E-03
7.50	1.6575E 00	1.4946E-01	1.6578E 00	7.9513E-02	1.6578E 00	4.2518E-02	1.6579E 00	1.2646E-02
10.00	1.6874E 00	2.7464E-01	1.6879E 00	1.6959E-01	1.6881E 00	1.0473E-01	1.6882E 00	4.0234E-02
15.00	1.7215E 00	5.1046E-01	1.7225E 00	3.6922E-01	1.7230E 00	2.6663E-01	1.7233E 00	1.3894E-01
20.00	1.7406E 00	6.9874E-01	1.7420E 00	5.4760E-01	1.7427E 00	4.2872E-01	1.7433E 00	2.6228E-01
30.00	1.7613E 00	9.5788E-01	1.7633E 00	8.1453E-01	1.7644E 00	6.9180E-01	1.7654E 00	4.9818E-01
50.00	1.7791E 00	1.2343E 00	1.7818E 00	1.1207E 00	1.7834E 00	1.0165E 00	1.7849E 00	8.3492E-01
75.00	1.7885E 00	1.4016E 00	1.7916E 00	1.3152E 00	1.7935E 00	1.2328E 00	1.7954E 00	1.0817E 00
100.00	1.7933E 00	1.4937E 00	1.7967E 00	1.4248E 00	1.7967E 00	1.3579E 00	1.8009E 00	1.2315E 00
150.00	1.7983E 00	1.5919E 00	1.8019E 00	1.5438E 00	1.8041E 00	1.4957E 00	1.8065E 00	1.4022E 00
200.00	1.8008E 00	1.6434E 00	1.8045E 00	1.6069E 00	1.8068E 00	1.5698E 00	1.8094E 00	1.4962E 00
300.00	1.8033E 00	1.6967E 00	1.8072E 00	1.6727E 00	1.8095E 00	1.6476E 00	1.8123E 00	1.5966E 00
400.00	1.8046E 00	1.7239E 00	1.8085E 00	1.7066E 00	1.8109E 00	1.6880E 00	1.8130E 00	1.6493E 00
500.00	1.8053E 00	1.7405E 00	1.8093E 00	1.7273E 00	1.8118E 00	1.7127E 00	1.8146E 00	1.6818E 00
750.00	1.8064E 00	1.7626E 00	1.8104E 00	1.7553E 00	1.8129E 00	1.7462E 00	1.8158E 00	1.7261E 00
1000.00	1.8069E 00	1.7741E 00	1.8109E 00	1.7694E 00	1.8135E 00	1.7632E 00	1.8164E 00	1.7487E 00
2000.00	1.8076E 00	1.7912E 00	1.8117E 00	1.7790E 00	1.8143E 00	1.7890E 00	1.8173E 00	1.7831E 00
3000.00	1.8079E 00	1.7969E 00	1.8120E 00	1.7981E 00	1.8146E 00	1.7977E 00	1.8176E 00	1.7947E 00
4000.00	1.8080E 00	1.7998E 00	1.8122E 00	1.8017E 00	1.8147E 00	1.8020E 00	1.8178E 00	1.8006E 00
5000.00	1.8081E 00	1.8015E 00	1.8122E 00	1.8039E 00	1.8148E 00	1.8046E 00	1.8179E 00	1.8041E 00
6000.00	1.8082E 00	1.8026E 00	1.8123E 00	1.8053E 00	1.8149E 00	1.8064E 00	1.8179E 00	1.8064E 00
7000.00	1.8082E 00	1.8035E 00	1.8123E 00	1.8063E 00	1.8149E 00	1.8076E 00	1.8180E 00	1.8091E 00
8000.00	1.8082E 00	1.8041E 00	1.8124E 00	1.8071E 00	1.8150E 00	1.8086E 00	1.8186E 00	1.8094E 00
9000.00	1.8082E 00	1.8046E 00	1.8124E 00	1.8077E 00	1.8150E 00	1.8093E 00	1.8186E 00	1.8104E 00
10000.00	1.8083E 00	1.8050F 00	1.8124E 00	1.8082E 00	1.8150E 00	1.8099E 00	1.8186E 00	1.8111E 00
INF	1.8084E 00	1.8084E 00	1.8126E 00	1.8126E 00	1.8152E 00	1.8152E 00	1.8182E 00	1.8182E 00

OMEGA = 0.70		TAU = 50.00		TAU = 75.00		TAU = 100.0		TAU = 200.0	
Z	X Y	X	Y	X	Y	X	Y	X	Y
0.01	1.0134E 00 7.9005E-07	1.0134E 00 3.7663E-07	1.0134E 00 2.2101E-07	1.0134E 00 2.8355E-08					
0.05	1.0496E 00 4.0976E-06	1.0496E 00 2.0169E-06	1.0496E 00 1.1566E-06	1.0496E 00 1.4697E-07					
0.10	1.0835E 00 8.4749E-06	1.0835E 00 4.1141E-06	1.0835E 00 2.4046E-06	1.0835E 00 3.0371E-07					
0.20	1.1357E 00 1.7838E-05	1.1357E 00 8.7161E-06	1.1357E 00 5.0535E-06	1.1357E 00 6.3809E-07					
0.30	1.1771E 00 2.7842E-05	1.1771E 00 1.3552E-05	1.1771E 00 7.8720E-06	1.1771E 00 9.9410E-07					
0.40	1.2118E 00 3.4366E-05	1.2118E 00 1.8665E-05	1.2118E 00 1.0827E-05	1.2118E 00 1.3673E-06					
0.50	1.2414E 00 4.9359E-05	1.2414E 00 2.3987E-05	1.2414E 00 1.3896E-05	1.2414E 00 1.7549E-06					
0.60	1.2678E 00 6.0696E-05	1.2678E 00 2.9353E-05	1.2678E 00 1.7062E-05	1.2678E 00 2.1548E-06					
0.80	1.3120E 00 8.4443E-05	1.3120E 00 4.0791E-05	1.3120E 00 2.3643E-05	1.3120E 00 1.9225E-05					
1.00	1.3483E 00 1.0939E-04	1.3483E 00 5.2740E-05	1.3483E 00 3.0500E-05	1.3483E 00 3.8516E-06					
1.50	1.4168E 00 1.7626E-04	1.4168E 00 8.9692E-05	1.4168E 00 4.8596E-05	1.4168E 00 6.1356E-06					
2.00	1.4658E 00 2.4891E-04	1.4658E 00 1.1699E-04	1.4658E 00 6.7770E-05	1.4658E 00 8.5546E-06					
3.00	1.5323E 00 4.1176E-04	1.5323E 00 1.8879E-04	1.5323E 00 1.0867E-04	1.5323E 00 1.3710E-05					
4.00	1.5761E 00 6.1107E-04	1.5761E 00 2.6634E-04	1.5761E 00 1.5251E-04	1.5761E 00 1.9225E-05					
5.00	1.6075E 00 9.3028E-04	1.6075E 00 3.5135E-04	1.6075E 00 1.9914E-04	1.6075E 00 2.5075E-05					
7.50	1.6579E 00 4.1816E-03	1.6579E 00 6.9465E-04	1.6579E 00 3.3242E-04	1.6579E 00 4.1162E-05					
10.00	1.6882E 00 1.5801E-02	1.6882E 00 2.0269E-03	1.6882E 00 5.7490E-04	1.6882E 00 5.9527E-05					
15.00	1.7234E 00 7.2527E-02	1.7235E 00 1.4724E-02	1.7235E 00 3.3525E-03	1.7235E 00 1.0800E-04					
20.00	1.7435E 00 1.6059E-01	1.7437E 00 4.7203E-02	1.7437E 00 1.4213E-02	1.7437E 00 2.5316E-04					
30.00	1.7658E 00 3.5840E-01	1.7662E 00 1.5730E-01	1.7662E 00 6.9208E-02	1.7663E 00 2.7490E-03					
50.00	1.7857E 00 6.8513E-01	1.7864E 00 4.1740E-01	1.7867E 00 2.5417E-01	1.7868E 00 3.4916E-02					
75.00	1.7964E 00 9.4834E-01	1.7973E 00 6.8154E-01	1.7980E 00 4.8944E-01	1.7983E 00 1.2976E-01					
100.00	1.8020E 00 1.1160E 00	1.8034E 00 8.7125E-01	1.8040E 00 6.7968E-01	1.8044E 00 2.5094E-01					
150.00	1.8078E 00 3.1343E 00	1.8095E 00 1.1140E 00	1.8102E 00 9.4421E-01	1.8110E 00 4.8588E-01					
200.00	1.8108E 00 1.4250E 00	1.8126E 00 2.5998E 00	1.8135E 00 1.1130E 00	1.8144E 00 6.7631E-01					
300.00	1.8138E 00 1.5460E 00	1.8158E 00 1.4247E 00	1.8168E 00 1.3121E 00	1.8179E 00 9.4152E-01					
400.00	1.8153E 00 1.6104E 00	1.8175E 00 1.5152E 00	1.8185E 00 1.4247E 00	1.8198E 00 1.1110E 00					
500.00	1.8163E 00 1.6503E 00	1.8184E 00 1.5722E 00	1.8196E 00 1.4968E 00	1.8204E 00 1.2269E 00					
750.00	1.8175E 00 1.7050E 00	1.8198E 00 1.6515E 00	1.8210E 00 1.5987E 00	1.8224E 00 1.4007E 00					
1000.00	1.8181E 00 1.7330E 00	1.8204E 00 1.6927E 00	1.8217E 00 1.6522E 00	1.8232E 00 4.4966E 00					
2000.00	1.8191E 00 1.7760E 00	1.8214E 00 1.7564E 00	1.8227E 00 1.7359E 00	1.8243E 00 1.6529E 00					
3000.00	1.8194E 00 1.7905E 00	1.8218E 00 1.7781E 00	1.8231E 00 1.7647E 00	1.8247E 00 1.7085E 00					
4000.00	1.8195E 00 1.7979E 00	1.8219E 00 1.7891E 00	1.8233E 00 1.7793E 00	1.8249E 00 1.7370E 00					
5000.00	1.8196E 00 1.8023E 00	1.8220E 00 1.7957E 00	1.8234E 00 1.7881E 00	1.8250E 00 1.7544E 00					
6000.00	1.8197E 00 1.8052E 00	1.8221E 00 1.8002E 00	1.8234E 00 1.7940E 00	1.8251E 00 1.7660E 00					
7000.00	1.8197E 00 1.8073E 00	1.8222E 00 1.6033E 00	1.8235E 00 1.4798E 00	1.8252E 00 1.1744E 00					
8000.00	1.8198E 00 1.8089E 00	1.8222E 00 1.8057E 00	1.8235E 00 1.8014E 00	1.8252E 00 1.7807E 00					
9000.00	1.8198E 00 1.8101E 00	1.8222E 00 1.8076E 00	1.8236E 00 1.8039E 00	1.8252E 00 1.7856E 00					
10000.00	1.8198E 00 1.8111E 00	1.8223E 00 1.8090E 00	1.8236E 00 1.8059E 00	1.8253E 00 1.7896E 00					
INF	1.8200E 00 1.8200E 00	1.8225E 00 1.8225E 00	1.8238E 00 1.8238E 00	1.8255E 00 1.8255E 00					
TAU = 252.8									
Z	X Y	X	Y	X	Y	X	Y	X	Y
0.01	1.0134E 00 9.5317E-09								
0.05	1.0496E 00 4.9408E-08								
0.10	1.0833E 00 1.0210E-07								
0.20	1.1357E 00 2.1450E-07								
0.30	1.1771E 00 3.3418E-07								
0.40	1.2118E 00 4.5065E-07								
0.50	1.2414E 00 5.8933E-07								
0.60	1.2678E 00 7.2436E-07								
0.80	1.3120E 00 1.0037E-06								
1.00	1.3483E 00 1.2946E-06								
1.50	1.4168E 00 2.0626E-06								
2.00	1.4658E 00 2.8758E-06								
3.00	1.5323E 00 4.6087E-06								
4.00	1.5761E 00 6.4629E-06								
5.00	1.6075E 00 8.4293E-06								
7.50	1.6579E 00 1.3837E-05								
10.00	1.6882E 00 2.4009E-05								
15.00	1.7235E 00 3.5320E-05								
20.00	1.7437E 00 6.2094E-05								
30.00	1.7663E 00 5.3705E-04								
50.00	1.7868E 00 1.2239E-02								
75.00	1.7983E 00 6.4299E-02								
100.00	1.8044E 00 1.4811E-01								
150.00	1.8110E 00 3.4187E-01								
200.00	1.8144E 00 5.1956E-01								
300.00	1.8180E 00 7.8976E-01								
400.00	1.8199E 00 9.7377E-01								
500.00	1.8210E 00 1.1042E 00								
750.00	1.8225E 00 1.3056E 00								
1000.00	1.8233E 00 1.7507E 00								
2000.00	1.8253E 00 1.7612E 00								
3000.00	1.8254E 00 1.7692E 00								
4000.00	1.8251E 00 1.7144E 00								
5000.00	1.8252E 00 1.7361E 00								
6000.00	1.8253E 00 1.7507E 00								
7000.00	1.8253E 00 1.7612E 00								
8000.00	1.8254E 00 1.7692E 00								
9000.00	1.8254E 00 1.7754E 00								
10000.00	1.8254E 00 1.7803E 00								
INF	1.8257E 00 1.8257E 00								

OMEGA = 0.80

TAU = 0.050				TAU = 0.100				TAU = 0.200				TAU = 0.300				
z	x	y	x	x	y	x	y	x	y	x	y	x	y	x	y	
0.01	1.0143E 00	1.5637E-02	1.0143E 00	6.9258E-03	1.0147E 00	5.2375E-03	1.0149E 00	4.3273E-03								
0.05	1.0375E 00	4.0105E-01	1.0472E 00	1.7092E-01	1.0526E 00	4.8065E-02	1.0542E 00	2.6807E-02								
0.10	1.0452E 00	6.4908E-01	1.0644E 00	4.2339E-01	1.0813E 00	1.9377E-01	1.0878E 00	1.0229E-01								
0.20	1.0501E 00	8.2737E-01	1.0772E 00	6.7817E-01	1.1096E 00	4.6006E-01	1.1273E 00	3.1915E-01								
0.30	1.0519E 00	8.9731E-01	1.0824E 00	7.9491E-01	1.1229E 00	6.2285E-01	1.1484E 00	4.9042E-01								
0.40	1.0528E 00	9.3450E-01	1.0852E 00	8.0086E-01	1.1306E 00	7.2621E-01	1.1613E 00	6.1195E-01								
0.50	1.0534E 00	9.5756E-01	1.0870E 00	9.0310E-01	1.1356E 00	7.9675E-01	1.1700E 00	7.0014E-01								
0.60	1.0538E 00	9.7326E-01	1.0882E 00	9.3244E-01	1.1391E 00	8.4773E-01	1.1762E 00	7.6642E-01								
0.80	1.0543E 00	9.9325E-01	1.0897E 00	9.7050E-01	1.1437E 00	9.1630E-01	1.1844E 00	8.5876E-01								
1.00	1.0545E 00	1.0054E 00	1.0906E 00	9.9409E-01	1.1465E 00	9.6019E-01	1.1897E 00	9.1796E-01								
1.50	1.0549E 00	1.0219E 00	1.0919E 00	1.0265E 00	1.1505E 00	1.0222E 00	1.1971E 00	1.0083E 00								
2.00	1.0551E 00	1.0303E 00	1.0925E 00	1.0431E 00	1.1525E 00	1.0547E 00	1.2009E 00	1.0559E 00								
3.00	1.0553E 00	1.0387E 00	1.0932E 00	1.0599E 00	1.1546E 00	1.0883E 00	1.2049E 00	1.1058E 00								
4.00	1.0554E 00	1.0429E 00	1.0935E 00	1.0685E 00	1.1556E 00	1.1055E 00	1.2064E 00	1.1317E 00								
5.00	1.0559E 00	1.0455E 00	1.0937E 00	1.0736E 00	1.1563E 00	1.1159E 00	1.2082E 00	1.1475E 00								
7.50	1.0566E 00	1.0489E 00	1.0940E 00	1.0805E 00	1.1571E 00	1.1301E 00	1.2098E 00	1.1690E 00								
10.00	1.0566E 00	1.0506E 00	1.0941E 00	1.0940E 00	1.1575E 00	1.1372E 00	1.2107E 00	1.1799E 00								
15.00	1.0557E 00	1.0523E 00	1.0942E 00	1.0975E 00	1.1580E 00	1.1446E 00	1.2115E 00	1.1909E 00								
20.00	1.0557E 00	1.0532E 00	1.0943E 00	1.0982E 00	1.1582E 00	1.1480E 00	1.2120E 00	1.1964E 00								
30.00	1.0557E 00	1.0540E 00	1.0944E 00	1.0910E 00	1.1584E 00	1.1516E 00	1.2124E 00	1.2020E 00								
50.00	1.0557E 00	1.0547E 00	1.0944E 00	1.0924E 00	1.1586E 00	1.1545E 00	1.2127E 00	1.2065E 00								
75.00	1.0557E 00	1.0551E 00	1.0945E 00	1.0931E 00	1.1587E 00	1.1559E 00	1.2129E 00	1.2087E 00								
100.00	1.0557E 00	1.0552E 00	1.0945E 00	1.0934E 00	1.1587E 00	1.1567E 00	1.2130E 00	1.2099E 00								
150.00	1.0557E 00	1.0554E 00	1.0945E 00	1.0938E 00	1.1588E 00	1.1574E 00	1.2131E 00	1.2110E 00								
200.00	1.0557E 00	1.0555E 00	1.0945E 00	1.0940E 00	1.1588E 00	1.1577E 00	1.2131E 00	1.2115E 00								
300.00	1.0557E 00	1.0556E 00	1.0945E 00	1.0942E 00	1.1588E 00	1.1581E 00	1.2132E 00	1.2121E 00								
400.00	1.0557E 00	1.0556E 00	1.0945E 00	1.0942E 00	1.1588E 00	1.1583E 00	1.2132E 00	1.2124E 00								
500.00	1.0557E 00	1.0556E 00	1.0945E 00	1.0943E 00	1.1588E 00	1.1584E 00	1.2132E 00	1.2126E 00								
750.00	1.0557E 00	1.0557E 00	1.0945E 00	1.0944E 00	1.1588E 00	1.1585E 00	1.2132E 00	1.2128E 00								
1000.00	1.0557E 00	1.0557E 00	1.0945E 00	1.0945E 00	1.1588E 00	1.1588E 00	1.2132E 00	1.2129E 00								
8000.00	1.0557E 00	1.0557E 00	1.0945E 00	1.0945E 00	1.1588E 00	1.1588E 00	1.2132E 00	1.2132E 00								
9000.00	1.0557E 00	1.0557E 00	1.0945E 00	1.0945E 00	1.1588E 00	1.1588E 00	1.2132E 00	1.2132E 00								
10000.00	1.0557E 00	1.0557E 00	1.0945E 00	1.0945E 00	1.1588E 00	1.1588E 00	1.2132E 00	1.2132E 00								
INF	1.0557E 00	1.0557E 00	1.0945E 00	1.0945E 00	1.1588E 00	1.1588E 00	1.2132E 00	1.2132E 00								

TAU = 0.400				TAU = 0.500				TAU = 0.600				TAU = 0.800				
z	x	y	x	x	y	x	y	x	y	x	y	x	y	x	y	
0.01	1.0152E 00	3.7270E-03	1.0152E 00	3.2874E-03	1.0153E 00	2.9430E-03	1.0154E 00	2.4261E-03								
0.05	1.0515E 00	2.0972E-02	1.0559E 00	1.8065E-02	1.0563E 00	1.6037E-02	1.0571E 00	1.3120E-02								
0.10	1.0910E 00	6.4114E-02	1.0929E 00	4.6835E-02	1.0941E 00	3.7976E-02	1.0959E 00	2.9477E-02								
0.20	1.1379E 00	2.2807E-01	1.1446E 00	1.6874E-01	1.1490E 00	1.2056E-01	1.1546E 00	9.5003E-02								
0.30	1.1655E 00	3.8495E-01	1.1774E 00	3.1292E-01	1.1860E 00	2.5457E-01	1.1971E 00	1.7554E-01								
0.40	1.1833E 00	5.1695E-01	1.1995E 00	4.3d31E-01	1.2118E 00	3.7350E-01	1.2286E 00	2.7625E-01								
0.50	1.1955E 00	6.1468E-01	1.2152E 00	5.4051E-01	1.2306E 00	4.7605E-01	1.2526E 00	3.7211E-01								
0.60	1.2045E 00	6.6913E-01	1.2269E 00	6.2372E-01	1.2448E 00	5.6202E-01	1.2714E 00	4.5817E-01								
0.80	1.2167E 00	8.0172E-01	1.2431E 00	7.6641E-01	1.2649E 00	6.9473E-01	1.2987E 00	5.9993E-01								
1.00	1.2247E 00	8.7689E-01	1.2538E 00	8.3353E-01	1.2784E 00	7.9068E-01	1.3174E 00	7.0846E-01								
1.50	1.2339E 00	9.8902E-01	1.2692E 00	9.5644E-01	1.2981E 00	9.4170E-01	1.3458E 00	8.8485E-01								
2.00	1.2419E 00	1.0570E 00	1.2775E 00	1.0412E 00	1.3089E 00	1.0286E 00	1.3617E 00	9.9685E-01								
3.00	1.2482E 00	1.1165E 00	1.2862E 00	1.1232E 00	1.3203E 00	1.1243E 00	1.3767E 00	1.1197E 00								
4.00	1.2514E 00	1.1513E 00	1.2908E 00	1.1652E 00	1.3262E 00	1.1756E 00	1.3878E 00	1.1871E 00								
5.00	1.2533E 00	1.1722E 00	1.2935E 00	1.1919E 00	1.3299E 00	1.2076E 00	1.3934E 00	1.2297E 00								
7.50	1.2560E 00	1.2012E 00	1.2973E 00	1.2284E 00	1.3348E 00	1.2517E 00	1.4010E 00	1.2890E 00								
10.00	1.2573E 00	1.2159E 00	1.2992E 00	1.2471E 00	1.3374E 00	1.2744E 00	1.4049E 00	1.3198E 00								
15.00	1.2586E 00	1.2309E 00	1.3011E 00	1.2661E 00	1.3399E 00	1.2975E 00	1.4089E 00	1.3514E 00								
20.00	1.2593E 00	1.2384E 00	1.3021E 00	1.2757E 00	1.3412E 00	1.3093E 00	1.4109E 00	1.3675E 00								
30.00	1.2600E 00	1.2460E 00	1.3031E 00	1.2854E 00	1.3448E 00	1.3307E 00	1.4146E 00	1.3970E 00								
50.00	1.2606E 00	1.2521E 00	1.3038E 00	1.2932E 00	1.3436E 00	1.3307E 00	1.4146E 00	1.3970E 00								
75.00	1.2613E 00	1.2602E 00	1.3042E 00	1.2971E 00	1.3454E 00	1.3329E 00	1.4170E 00	1.4167E 00								
100.00	1.2610E 00	1.2568E 00	1.3044E 00	1.2991E 00	1.3454E 00	1.3379E 00	1.4170E 00	1.4070E 00								
150.00	1.2611E 00	1.2583E 00	1.3046E 00	1.3011E 00	1.3456E 00	1.3403E 00	1.4170E 00	1.4103E 00								
200.00	1.2612E 00	1.2591E 00	1.3047E 00	1.3021E 00	1.3456E 00	1.3404E 00	1.4170E 00	1.4102E 00								
300.00	1.2612E 00	1.2598E 00	1.3048E 00	1.3030E 00	1.3449E 00	1.3447E 00	1.4170E 00	1.4165E 00								
400.00	1.2613E 00	1.2602E 00	1.3049E 00	1.3035E 00	1.3450E 00	1.3433E 00	1.4170E 00	1.4145E 00								
500.00	1.2613E 00	1.2605E 00	1.3049E 00	1.3038E 00	1.3450E 00	1.3437E 00	1.4170E 00	1.4145E 00								
750.00	1.2613E 00	1.2608E 00	1.3049E 00	1.3042E 00	1.3450E 00	1.3442E 00	1.4170E 00	1.4157E 00								
1000.00	1.2613E 00	1.2609E 00	1.3050E 00	1.3044E 00	1.3451E 00	1.3444E 00	1.4170E 00	1.4160E 00								
2000.00	1.2614E 00	1.2611E 00	1.3050E 00	1.3047E 00	1.3451E 00	1.3448E 00	1.4170E 00	1.4165E 00								

OMEGA = 0.80

TAU = 1.000			TAU = 1.500			TAU = 2.000			TAU = 2.500			
Z	X	Y	X	Y	Z	X	Y	Z	X	Y	Z	
0.01	1.0155E 00	2.0497E-03	1.0156E 00	1.4317E-03	1.0157E 00	1.0537E-03	1.0158E 00	8.0086E-04				
0.05	1.0576E 00	1.1037E-02	1.0584E 00	7.6648E-03	1.0588E 00	5.6240E-03	1.0590E 00	4.2653E-03				
0.10	1.0970E 00	2.4035E-02	1.0987E 00	1.6501E-02	1.0995E 00	1.2051E-02	1.1000E 00	9.1126E-03				
0.20	1.1577E 00	6.2657E-02	1.1618E 00	3.8450E-02	1.1638E 00	2.7378E-02	1.1649E 00	2.0511E-02				
0.30	1.2036E 00	1.2793E-01	1.2117E 00	7.1108E-02	1.2152E 00	4.7534E-02	1.2170E 00	3.4667E-02				
0.40	1.2391E 00	2.0955E-01	1.2525E 00	1.1751E-01	1.2582E 00	7.5457E-02	1.2611E 00	5.3100E-02				
0.50	1.2671E 00	2.9441E-01	1.2864E 00	1.7601E-01	1.2949E 00	1.1189E-01	1.2991E 00	7.7259E-02				
0.60	1.2895E 00	3.7551E-01	1.3149E 00	2.3549E-01	1.3265E 00	1.5515E-01	1.3324E 00	1.0729E-01				
0.80	1.3230E 00	5.1757E-01	1.3596E 00	3.5915E-01	1.3780E 00	2.5255E-01	1.3877E 00	1.8084E-01				
1.00	1.3467E 00	6.3247E-01	1.3930E 00	4.7270E-01	1.4178E 00	3.5242E-01	1.4317E 00	2.6370E-01				
1.50	1.3833E 00	8.3312E-01	1.4476E 00	6.9690E-01	1.4860E 00	5.7381E-01	1.5095E 00	4.6809E-01				
2.00	1.4043E 00	9.5921E-01	1.4805E 00	5.8532E-01	1.5286E 00	7.4411E-01	1.5599E 00	6.4071E-01				
3.00	1.4272E 00	1.1065E 00	1.5178E 00	1.0497E 00	1.5788E 00	9.7403E-01	1.6209E 00	8.9062E-01				
4.00	1.4395E 00	1.1892E 00	1.5384E 00	1.1663E 00	1.6072E 00	1.1179E 00	1.6562E 00	1.0554E 00				
5.00	1.4472E 00	1.2421E 00	1.5514E 00	1.2430E 00	1.6255E 00	1.2136E 00	1.6793E 00	1.1704E 00				
7.50	1.4577E 00	1.3165E 00	1.5697E 00	1.3539E 00	1.6514E 00	1.3630E 00	1.7123E 00	1.3456E 00				
10.00	1.4632E 00	1.3555E 00	1.5972E 00	1.4134E 00	1.6650E 00	1.4395E 00	1.7300E 00	1.4433E 00				
15.00	1.4687E 00	1.3957E 00	1.5989E 00	1.4757E 00	1.6792E 00	1.5238E 00	1.7484E 00	1.5497E 00				
20.00	1.4715E 00	1.4163E 00	1.5993E 00	1.5079E 00	1.6864E 00	1.5680E 00	1.7579E 00	1.6058E 00				
30.00	1.4743E 00	1.4372E 00	1.5999E 00	1.5409E 00	1.6938E 00	1.6136E 00	1.7676E 00	1.6644E 00				
50.00	1.4766E 00	1.4542E 00	1.6031E 00	1.5679E 00	1.6998E 00	1.6511E 00	1.7756E 00	1.7124E 00				
75.00	1.4778E 00	1.4642E 00	1.6051E 00	1.5816E 00	1.7029E 00	1.6701E 00	1.7796E 00	1.7371E 00				
100.00	1.4784E 00	1.4671E 00	1.6062E 00	1.5884E 00	1.7044E 00	1.6708E 00	1.7816E 00	1.7495E 00				
150.00	1.4789E 00	1.4714E 00	1.6072E 00	1.5954E 00	1.7060E 00	1.6895E 00	1.7836E 00	1.7622E 00				
200.00	1.4792E 00	1.4736E 00	1.6077E 00	1.5988E 00	1.7067E 00	1.6943E 00	1.7847E 00	1.7686E 00				
300.00	1.4795E 00	1.4758E 00	1.6083E 00	1.6023E 00	1.7075E 00	1.6992E 00	1.7857E 00	1.7749E 00				
400.00	1.4797E 00	1.4768E 00	1.6085E 00	1.6041E 00	1.7079E 00	1.7017E 00	1.7862E 00	1.7781E 00				
500.00	1.4798E 00	1.4775E 00	1.6087E 00	1.6051E 00	1.7081E 00	1.7031E 00	1.7865E 00	1.7800E 00				
750.00	1.4799E 00	1.4784E 00	1.6089E 00	1.6056E 00	1.7084E 00	1.7051E 00	1.7659E 00	1.7825E 00				
1000.00	1.4799E 00	1.4788E 00	1.6090E 00	1.6072E 00	1.7086E 00	1.7061E 00	1.7971E 00	1.7839E 00				
2000.00	1.4800E 00	1.4794E 00	1.6091E 00	1.6082E 00	1.7088E 00	1.7076E 00	1.7874E 00	1.7858E 00				
3000.00	1.4800E 00	1.4797E 00	1.6092E 00	1.6086E 00	1.7089E 00	1.7081E 00	1.7875E 00	1.7866E 00				
4000.00	1.4801E 00	1.4798E 00	1.6092E 00	1.6088E 00	1.7089E 00	1.7083E 00	1.7876E 00	1.7868E 00				
5000.00	1.4801E 00	1.4798E 00	1.6092E 00	1.6089E 00	1.7089E 00	1.7084E 00	1.7876E 00	1.7870E 00				
6000.00	1.4801E 00	1.4799E 00	1.6092E 00	1.6089E 00	1.7090E 00	1.7085E 00	1.7876E 00	1.7871E 00				
7000.00	1.4801E 00	1.4799E 00	1.6093E 00	1.6090E 00	1.7090E 00	1.7086E 00	1.7876E 00	1.7872E 00				
8000.00	1.4801E 00	1.4799E 00	1.6093E 00	1.6090E 00	1.7090E 00	1.7074E 00	1.7876E 00	1.7872E 00				
9000.00	1.4801E 00	1.4800E 00	1.6093E 00	1.6091E 00	1.7090E 00	1.7078E 00	1.7877E 00	1.7873E 00				
10000.00	1.4801E 00	1.4800E 00	1.6093E 00	1.6091E 00	1.7090E 00	1.7080E 00	1.7877E 00	1.7873E 00				
INF	1.4801E 00	1.4801E 00	1.6093E 00	1.6093E 00	1.7090E 00	1.7090E 00	1.7877E 00	1.7877E 00				

TAU = 3.000			TAU = 3.500			TAU = 4.000			TAU = 4.500			
Z	X	Y	X	Y	Z	X	Y	Z	X	Y	Z	
0.01	1.0158E 00	6.2285E-04	1.0158E 00	4.9329E-04	1.0158E 00	3.9663E-04	1.0158E 00	3.2310E-04				
0.05	1.0591E 00	3.3120E-03	1.0592E 00	2.6196E-03	1.0593E 00	2.1059E-03	1.0593E 00	1.7122E-03				
0.10	1.1003E 00	7.0602E-03	1.1005E 00	5.5743E-03	1.1006E 00	4.4702E-03	1.1006E 00	3.6331E-03				
0.20	1.1655E 00	1.5903E-02	1.1659E 00	1.2425E-02	1.1661E 00	9.9295E-03	1.1663E 00	8.0462E-03				
0.30	1.2181E 00	2.6389E-02	1.2187E 00	2.0609E-02	1.2191E 00	1.6393E-02	1.2194E 00	1.3236E-02				
0.40	1.2627E 00	3.9523E-02	1.2634E 00	3.0463E-02	1.2642E 00	2.4047E-02	1.2646E 00	1.9299E-02				
0.50	1.3014E 00	6.6304E-02	1.3020E 00	4.2663E-02	1.3030E 00	3.3205E-02	1.3041E 00	2.6465E-02				
0.60	1.3356E 00	7.7435E-02	1.3374E 00	5.7012E-02	1.3385E 00	4.4571E-02	1.3392E 00	3.5100E-02				
0.80	1.3931E 00	1.3242E-01	1.3962E 00	9.0589E-02	1.3981E 00	7.5056E-02	1.3993E 00	5.8247E-02				
1.00	1.4397E 00	1.9867E-01	1.4444E 00	1.5105E-01	1.4447E 00	1.1608E-01	1.4449E 00	9.0250E-02				
1.50	1.5241E 00	3.7977E-01	1.5335E 00	3.0724E-01	1.5359E 00	2.4433E-01	1.5435E 00	2.0083E-01				
2.00	1.5805E 00	5.6448E-01	1.5942E 00	4.6389E-01	1.6035E 00	3.9184E-01	1.6099E 00	3.3020E-01				
3.00	1.6503E 00	8.0589E-01	1.6711E 00	7.2363E-01	1.6860E 00	6.4599E-01	1.6967E 00	5.7474E-01				
4.00	1.6916E 00	9.8579E-01	1.7175E 00	9.1341E-01	1.7366E 00	8.6412E-01	1.7570E 00	7.7111E-01				
5.00	1.7189E 00	1.1149E-00	1.7484E 00	1.0536E-00	1.7748E 00	1.0700E-00	1.7874E 00	9.8598E-01				
7.50	1.7556E 00	1.3169E 00	1.7938E 00	1.3786E 00	1.8211E 00	1.2340E 00	1.8424E 00	1.1859E 00				
10.00	1.7798E 00	1.4252E 00	1.8185E 00	1.4103E 00	1.8488E 00	1.3803E 00	1.8727E 00	1.3448E 00				
15.00	1.8022E 00	1.5593E 00	1.8446E 00	1.5569E 00	1.8783E 00	1.5456E 00	1.9053E 00	1.5276E 00				
20.00	1.8139E 00	1.6272E 00	1.8583E 00	1.6363E 00	1.8938E 00	1.6361E 00	1.9223E 00	1.6288E 00				
30.00	1.8356E 00	1.7576E 00	1.8839E 00	1.7906E 00	1.9230E 00	1.8136E 00	1.9550E 00	1.8295E 00				
50.00	1.8406E 00	1.7881E 00	1.8977E 00	1.8267E 00	1.9297E 00	1.8588E 00	1.9625E 00	1.8776E 00				
100.00	1.8431E 00	1.8035E 00	1.8927E 00	1.8451E 00	1.9331E 00	1.8773E 00	1.9646E 00	1.9021E 00				
150.00	1.8456E 00	1.8191E 00	1.8957E 00	1.8638E 00	1.9365E 00	1.8991E 00	1.9701E 00	1.9270E 00				
200.00	1.8469E 00	1.8269E 00	1.8972E 00	1.8732E 00	1.9382E 00	1.9101E 00	1.9720E 00	1.9396E 00				
300.00	1.8492E 00	1.8348E 00	1.8987E 00	1.8826E 00	1.9399E 00	1.9211E 00	1.9740E 00	1.9522E 00				
400.00	1.8488E 00	1.8388E 00	1.8994E 00	1.8874E 00	1.9408E 00	1.9267E 00	1.9749E 00	1.9586E 00				
500.00	1.8492E 00	1.8412E 00	1.8994E 00	1.8902E 00	1.9413E 00	1.9300E 00	1.9755E 00	1.9624E 00				
750.00	1.8497E 00	1.8443E 00	1.9005E 00	1.8941E 00	1.9420E 00	1.9345E 00	1.9763E 00	1.9676E 00				
1000.00	1.8499E 00	1.8453E 00	1.9008E 00	1.8960E 00	1.9424E 00	1.9367E 00	1.9767E 00	1.9701E 00				
2000.00	1.8503E 00	1.8463E 00	1.9012E 00	1.8988E 00	1.9429E 00	1.9400E 00	1.9773E 00	1.9740E 00				
3000.00	1.8505E 00	1.8491E 00	1.9014E 00	1.8998E 00	1.9431E 00	1.9412E 00	1.9775E 00	1.9753E 00				
4000.00	1.8505E 00	1.8495E 00	1.9015E 00	1.9003E 00	1.9432E 00	1.9417E 00	1.9775E 00	1.9759E 00				

OMEGA = 0.80

TAU = 5.000				TAU = 7.500				TAU = 10.00				TAU = 15.00			
z	x	y		x	y			x	y			x	y		
0.01	1.0158E 00	2.6627E-04		1.0158E 00	1.1643E-04			1.0158E 00	6.0604E-05			1.0158E 00	2.295E-05		
0.05	1.0593E 00	1.4098E-03		1.0594E 00	6.1904E-04			1.0594E 00	3.1901E-04			1.0594E 00	1.2068E-04		
0.10	1.1007E 00	2.9872E-03		1.1008E 00	1.2956E-03			1.1008E 00	6.7101E-04			1.1008E 00	2.5289E-04		
0.20	1.1664E 00	6.5999E-03		1.1666E 00	2.8339E-03			1.1666E 00	1.4581E-03			1.1666E 00	5.4514E-04		
0.30	1.2196E 00	1.0823E-02		1.2199E 00	4.5956E-03			1.2200E 00	2.3474E-03			1.2200E 00	8.7013E-04		
0.40	1.2649E 00	1.5716E-02		1.2653E 00	6.5051E-03			1.2654E 00	3.3366E-03			1.2655E 00	1.2223E-03		
0.50	1.3045E 00	2.1414E-02		1.3051E 00	8.8198E-03			1.3052E 00	4.4282E-03			1.3053E 00	1.6097E-03		
0.60	1.3397E 00	2.8160E-02		1.3405E 00	1.1332E-02			1.3407E 00	5.6283E-03			1.3408E 00	2.0231E-03		
0.80	1.4000E 00	4.6005E-02		1.4016E 00	1.7438E-02			1.4016E 00	8.4052E-03			1.4017E 00	2.9397E-03		
1.00	1.4503E 00	7.1028E-02		1.4523E 00	2.5631E-02			1.4527E 00	1.1847E-02			1.4528E 00	3.9884E-03		
1.50	1.5461E 00	1.6270E-01		1.5509E 00	6.0161E-02			1.55117E 00	2.5697E-02			1.5520E 00	7.4583E-03		
2.00	1.6142E 00	2.7747E-01		1.6226E 00	1.1557E-01			1.6249E 00	5.1368E-02			1.6251E 00	1.3352E-02		
3.00	1.7045E 00	5.0845E-01		1.7217E 00	2.6895E-01			1.7260E 00	1.4607E-01			1.7276E 00	4.0096E-02		
4.00	1.7614E 00	7.0421E-01		1.7866E 00	4.5218E-01			1.7938E 00	2.5802E-01			1.7970E 00	9.1093E-02		
5.00	1.8003E 00	9.6139E-01		1.8324E 00	5.8295E-01			1.8425E 00	3.8276E-01			1.8476E 00	1.6074E-01		
7.50	1.8591E 00	1.1349E 00		1.9038E 00	8.8146E-01			1.9200E 00	6.6471E-01			1.9297E 00	3.6593E-01		
10.00	1.8919E 00	1.3057E 00		1.9468E 00	1.0898E 00			1.9565E 00	8.8410E-01			1.9791E 00	5.6384E-01		
15.00	1.9271E 00	1.5046E 00		1.9901E 00	1.3515E 00			2.0165E 00	1.1820E 00			2.0359E 00	8.7797E-01		
20.00	1.9458E 00	1.6160E 00		2.0145E 00	1.5056E 00			2.0445E 00	1.3690E 00			2.0677E 00	1.0992E 00		
30.00	1.9652E 00	1.7363E 00		2.0402E 00	1.6809E 00			2.0743E 00	1.5873E 00			2.1020E 00	1.3787E 00		
50.00	1.9814E 00	1.8395E 00		2.0618E 00	1.8345E 00			2.0995E 00	1.7880E 00			2.1316E 00	1.6544E 00		
75.00	1.9896E 00	1.8934E 00		2.0730E 00	1.9184E 00			2.1126E 00	1.8981E 00			2.1471E 00	1.8136E 00		
100.00	1.9938E 00	1.9211E 00		2.0787E 00	1.9613E 00			2.1193E 00	1.9558E 00			2.1551E 00	1.8988E 00		
150.00	1.9980E 00	1.9491E 00		2.0844E 00	2.0052E 00			2.1261E 00	2.0153E 00			2.1632E 00	1.9881E 00		
200.00	2.00001E 00	1.9633E 00		2.0873E 00	2.0275E 00			2.1295E 00	2.0457E 00			2.1674E 00	2.0344E 00		
300.00	2.0022E 00	1.9777E 00		2.0902E 00	2.0501E 00			2.1330E 00	2.0766E 00			2.1715E 00	2.0818E 00		
400.00	2.0033E 00	1.9848E 00		2.0916E 00	2.0611E 00			2.1347E 00	2.0923E 00			2.1736E 00	2.1059E 00		
500.00	2.0039E 00	1.9891E 00		2.0925E 00	2.0683E 00			2.1358E 00	2.1017E 00			2.1749E 00	2.1205E 00		
750.00	2.0048E 00	1.9949E 00		2.0937E 00	2.0775E 00			2.1372E 00	2.1144E 00			2.1765E 00	2.1401E 00		
1000.00	2.0052E 00	1.9978E 00		2.0943E 00	2.0821E 00			2.1379E 00	2.1207E 00			2.1774E 00	2.1500E 00		
2000.00	2.0059E 00	2.0021E 00		2.0952E 00	2.0891E 00			2.1389E 00	2.1303E 00			2.1787E 00	2.1649E 00		
3000.00	2.0061E 00	2.0035E 00		2.0955E 00	2.0914E 00			2.1393E 00	2.1355E 00			2.1791E 00	2.1699E 00		
4000.00	2.0062E 00	2.0043E 00		2.0956E 00	2.0926E 00			2.1394E 00	2.1351E 00			2.1793E 00	2.1724E 00		
5000.00	2.0063E 00	2.0049E 00		2.0957E 00	2.0933E 00			2.1395E 00	2.1361E 00			2.1794E 00	2.1739E 00		
6000.00	2.0063E 00	2.0051E 00		2.0958E 00	2.0937E 00			2.1396E 00	2.1367E 00			2.1795E 00	2.1749E 00		
7000.00	2.0063E 00	2.0053E 00		2.0958E 00	2.0941E 00			2.1397E 00	2.1372E 00			2.1796E 00	2.1756E 00		
8000.00	2.0063E 00	2.0054E 00		2.0958E 00	2.0943E 00			2.1397E 00	2.1375E 00			2.1796E 00	2.1762E 00		
10000.00	2.0064E 00	2.0055E 00		2.0958E 00	2.0945E 00			2.1397E 00	2.1378E 00			2.1796E 00	2.1785E 00		
INF	2.0065E 00	2.0056E 00		2.0960E 00	2.0946E 00			2.1400E 00	2.1400E 00			2.1799E 00	2.1799E 00		

TAU = 20.00				TAU = 25.00				TAU = 30.00				TAU = 40.00			
z	x	y		x	y			x	y			x	y		
0.01	1.0158E 00	1.1474E-05		1.0158E 00	5.7290E-06			1.0158E 00	4.4144E-06			1.0158E 00	2.2661E-06		
0.05	1.0594E 00	6.0118E-05		1.0594E 00	3.5221E-05			1.0594E 00	2.2846E-05			1.0594E 00	1.1843E-05		
0.10	1.1008E 00	1.2571E-04		1.1008E 00	7.3550E-05			1.1008E 00	4.7720E-05			1.1008E 00	2.4681E-05		
0.20	1.1666E 00	2.6597E-04		1.1666E 00	1.5743E-04			1.1666E 00	1.0200E-04			1.1666E 00	5.2607E-05		
0.30	1.2200E 00	4.2861E-04		1.2200E 00	2.4941E-04			1.2200E 00	1.6132E-04			1.2200E 00	8.2900E-05		
0.40	1.2655E 00	6.0060E-04		1.2655E 00	3.4847E-04			1.2655E 00	2.2497E-04			1.2655E 00	1.1544E-04		
0.50	1.3053E 00	7.8446E-04		1.3053E 00	4.5397E-04			1.3053E 00	2.9252E-04			1.3053E 00	1.4497E-04		
0.60	1.3408E 00	9.8287E-04		1.3408E 00	5.6552E-04			1.3408E 00	3.6365E-04			1.3408E 00	1.8563E-04		
0.80	1.4017E 00	1.4074E-03		1.4018E 00	8.0579E-04			1.4018E 00	5.1591E-04			1.4018E 00	2.6191E-04		
1.00	1.4528E 00	1.8807E-03		1.4528E 00	1.0983E-03			1.4528E 00	6.6071E-04			1.4529E 00	3.4357E-04		
1.50	1.5520E 00	3.0121E-03		1.5520E 00	1.8247E-03			1.5520E 00	1.1458E-03			1.5520E 00	5.6890E-04		
2.00	1.6252E 00	5.2735E-03		1.6252E 00	2.7618E-03			1.6252E 00	1.6936E-03			1.6252E 00	8.2323E-04		
3.00	1.7278E 00	1.3724E-02		1.7278E 00	5.9743E-03			1.7278E 00	3.2478E-03			1.7278E 00	1.4343E-03		
4.00	1.7975E 00	3.3749E-02		1.7976E 00	1.3872E-02			1.7976E 00	6.5962E-03			1.7976E 00	2.3401E-03		
5.00	1.8485E 00	5.7967E-02		1.8487E 00	2.9841E-02			1.8487E 00	1.3990E-02			1.8488E 00	4.1209E-03		
7.50	1.9320E 00	1.9874E-01		1.9320E 00	1.0796E-01			1.9320E 00	5.9106E-02			1.9330E 00	1.8655E-02		
10.00	1.9828E 00	3.5412E-01		1.9841E 00	2.2139E-01			1.9846E 00	1.3837E-01			1.9849E 00	5.4582E-02		
15.00	2.0421E 00	6.4272E-01		2.0445E 00	4.6779E-01			2.0565E 00	3.3988E-01			2.0646E 00	1.7896E-01		
20.00	2.0756E 00	8.7052E-01		2.0790E 00	6.8585E-01			2.0807E 00	5.3898E-01			2.0820E 00	3.3185E-01		
30.00	2.1123E 00	1.1625E 00		2.1171E 00	1.0093E 00			2.1196E 00	8.5954E-01			2.1219E 00	6.2137E-01		
50.00	2.1443E 00	1.5135E 00		2.1506E 00	1.3783E 00			2.1541E 00	1.2526E 00			2.1577E 00	1.0315E 00		
75.00	2.1616E 00	1.7133E 00		2.1685E 00	1.6118E 00			2.1727E 00	1.5135E 00			2.1771E 00	1.3308E 00		
100.00	2.1701E 00	1.8230E 00		2.1778E 00	1.7433E 00			2.1824E 00	1.6639E 00			2.1873E 00	1.5120E 00		
150.00	2.1790E 00	1.9400E 00		2.1873E 00	1.8857E 00			2.1923E 00	1.8296E 00			2.1978E 00	1.7182E 00		
200.00	2.1835E 00	2.0013E 00		2.1921E 00	1.9613E 00			2.1973E 00	1.9186E 00			2.2031E 00	1.8317E 00		
300.00	2.1881E 00	2.0646E 00		2.1970E 00	2.0399E 00			2.2024E 00	2.0120E 00			2.2086E 00	1.9528E 00		
400.00	2.1904E 00	2.0971E 00		2.1959E 00	2.0804E 00			2.2050E 00	2.0604E 00			2.2131E 00	2.0163E 00		
500.00	2.1918E 00	2.1168E 00		2.2010E 00	2.1051E 00			2.2066E 00	2.0901E 00						

DMEGA = 0.80											
TAU = 50.00			TAU = 75.00			TAU = 100.0			TAU = 200.0		
Z	X	Y	X	Y	X	Y	X	Y	X	Y	
0.01	1.0158E 00	1.4010E-06	1.0158E 00	6.8138E-07	1.0158E 00	3.9451E-07	1.0158E 00	4.9203E-08			
0.05	1.0594E 00	7.4369E-06	1.0594E 00	3.5563E-06	1.0594E 00	2.0639E-06	1.0594E 00	2.6678E-07			
0.10	1.1008E 00	1.5459E-05	1.1008E 00	7.3998E-06	1.1008E 00	4.2926E-06	1.1008E 00	5.2160E-07			
0.20	1.1666E 00	3.2878E-05	1.1666E 00	1.5721E-05	1.1666E 00	9.1168E-06	1.1666E 00	1.1710E-06			
0.30	1.2200E 00	5.1772E-05	1.2200E 00	2.4719E-05	1.2200E 00	1.4330E-05	1.2200E 00	1.8266E-06			
0.40	1.2655E 00	7.1890E-05	1.2655E 00	3.4269E-05	1.2655E 00	1.9841E-05	1.2655E 00	2.5435E-06			
0.50	1.3053E 00	9.3071E-05	1.3053E 00	4.4209E-05	1.3053E 00	2.5642E-05	1.3053E 00	3.2074E-06			
0.60	1.3408E 00	1.1520E-04	1.3408E 00	5.4723E-05	1.3408E 00	3.1697E-05	1.3408E 00	4.0137E-06			
0.80	1.4018E 00	1.6195E-04	1.4018E 00	7.6653E-05	1.4018E 00	4.4374E-05	1.4018E 00	5.6779E-06			
1.00	1.4529E 00	9.9796E-04	1.4529E 00	5.5735E-05	1.4529E 00	2.7413E-05	1.4529E 00	7.4143E-06			
1.50	1.5521E 00	3.4695E-04	1.5521E 00	1.6192E-04	1.5521E 00	9.3518E-05	1.5521E 00	1.1938E-05			
2.00	1.6252E 00	4.9636E-04	1.6252E 00	2.2998E-04	1.6252E 00	1.3200E-04	1.6252E 00	1.9244E-05			
3.00	1.7278E 00	8.3666E-04	1.7278E 00	3.7514E-04	1.7278E 00	2.1526E-04	1.7278E 00	2.7425E-05			
4.00	1.7976E 00	1.2531E-03	1.7976E 00	5.3588E-04	1.7976E 00	3.0557E-04	1.7976E 00	3.8669E-05			
5.00	1.8488E 00	1.8629E-03	1.8488E 00	7.1277E-04	1.8488E 00	4.0236E-04	1.8488E 00	5.1125E-05			
7.50	1.9330E 00	6.7013E-03	1.9330E 00	1.3622E-03	1.9330E 00	6.7873E-04	1.9330E 00	8.5119E-05			
10.00	1.9849E 00	2.2202E-02	1.9849E 00	3.3396E-03	1.9849E 00	1.1180E-03	1.9849E 00	1.2399E-04			
15.00	2.0466E 00	9.4438E-03	2.0468E 00	2.0000E-02	2.0468E 00	4.9684E-03	2.0468E 00	2.2456E-04			
20.00	2.0828E 00	2.0401E-01	2.0828E 00	6.1119E-02	2.0828E 00	1.8957E-02	2.0828E 00	4.6053E-04			
30.00	2.1229E 00	4.4836E-01	2.1236E 00	1.9814E-01	2.1236E 00	8.7897E-02	2.1236E 00	3.7310E-03			
50.00	2.1594E 00	8.4795E-01	2.1610E 00	5.1826E-01	2.1616E 00	3.1648E-01	2.1619E 00	4.3937E-02			
75.00	2.1793E 00	1.1682E 00	2.1818E 00	8.4143E-01	2.1827E 00	6.0527E-01	2.1834E 00	1.6114E-01			
100.00	2.1898E 00	1.3718E 00	2.1928E 00	1.0729E 00	2.1940E 00	8.3804E-01	2.1950E 00	3.1023E-01			
150.00	2.2007E 00	1.6111E 00	2.2043E 00	1.3686E 00	2.2059E 00	1.1611E 00	2.2075E 00	5.9848E-01			
200.00	2.2063E 00	1.7461E 00	2.2102E 00	1.5459E 00	2.2121E 00	1.3696E 00	2.2140E 00	8.3170E-01			
300.00	2.2120E 00	1.8926E 00	2.2163E 00	1.7463E 00	2.2185E 00	1.6094E 00	2.2209E 00	1.1561E 00			
400.00	2.2148E 00	1.9704E 00	2.2194E 00	1.8561E 00	2.2218E 00	1.7464E 00	2.2244E 00	1.3632E 00			
500.00	2.2166E 00	2.0186E 00	2.2213E 00	1.9253E 00	2.2237E 00	1.8342E 00	2.2266E 00	1.5049E 00			
750.00	2.2189E 00	2.0847E 00	2.2238E 00	2.0216E 00	2.2264E 00	1.9581E 00	2.2295E 00	1.7171E 00			
1000.00	2.2201E 00	2.1166E 00	2.2251E 00	2.0716E 00	2.2278E 00	2.0232E 00	2.2310E 00	1.8341E 00			
2000.00	2.2219E 00	2.1705E 00	2.2270E 00	2.1488E 00	2.2298E 00	2.1250E 00	2.2332E 00	2.0249E 00			
3000.00	2.2225E 00	2.1881E 00	2.2277E 00	2.1752E 00	2.2305E 00	2.1600E 00	2.2340E 00	2.0928E 00			
4000.00	2.2228E 00	2.1969E 00	2.2280E 00	2.1885E 00	2.2308E 00	2.1778E 00	2.2344E 00	2.1276E 00			
5000.00	2.2229E 00	2.2022E 00	2.2282E 00	2.1966E 00	2.2310E 00	2.1885E 00	2.2346E 00	2.1488E 00			
6000.00	2.2231E 00	2.2058E 00	2.2283E 00	2.2019E 00	2.2312E 00	2.1956E 00	2.2348E 00	2.1630E 00			
7000.00	2.2231E 00	2.2083E 00	2.2284E 00	2.2058E 00	2.2313E 00	2.2008E 00	2.2349E 00	2.1732E 00			
8000.00	2.2232E 00	2.2102E 00	2.2285E 00	2.2087E 00	2.2313E 00	2.2046E 00	2.2350E 00	2.1809E 00			
9000.00	2.2233E 00	2.2117E 00	2.2285E 00	2.2109E 00	2.2314E 00	2.2076E 00	2.2350E 00	2.1869E 00			
10000.00	2.2233E 00	2.2129E 00	2.2286E 00	2.2127E 00	2.2314E 00	2.2101E 00	2.2351E 00	2.1917E 00			
INF	2.2236E 00	2.2236E 00	2.2290E 00	2.2290E 00	2.2318E 00	2.2318E 00	2.2355E 00	2.2355E 00			

TAU = 264.4										
Z	X	Y	X	Y	X	Y	X	Y	X	Y
0.01	1.0158E 00	1.4271E-08								
0.05	1.0594E 00	6.9193E-08								
0.10	1.1008E 00	1.4516E-07								
0.20	1.1666E 00	3.0923E-07								
0.30	1.2200E 00	4.8647E-07								
0.40	1.2655E 00	6.7449E-07								
0.50	1.3053E 00	8.7166E-07								
0.60	1.3408E 00	1.0768E-06								
0.80	1.4018E 00	1.5076E-06								
1.00	1.4529E 00	1.9616E-06								
1.50	1.5521E 00	3.1771E-06								
2.00	1.6252E 00	4.4837E-06								
3.00	1.7278E 00	7.3073E-06								
4.00	1.7976E 00	1.0364E-05								
5.00	1.8488E 00	1.3628E-05								
7.50	1.9330E 00	2.2671E-05								
10.00	1.9849E 00	3.3047E-05								
15.00	2.0468E 00	5.8754E-05								
20.00	2.0828E 00	9.7876E-05								
30.00	2.1239E 00	5.5871E-04								
50.00	2.1619E 00	1.2296E-02								
75.00	2.1834E 00	6.8474E-02								
100.00	2.1951E 00	1.6313E-01								
150.00	2.2076E 00	3.8977E-01								
200.00	2.2142E 00	6.0292E-01								
300.00	2.2211E 00	9.3299E-01								
400.00	2.2246E 00	1.1607E 00								
500.00	2.2268E 00	1.3233E 00								
750.00	2.2298E 00	1.5761E 00								
1000.00	2.2313E 00	1.7200E 00								
2000.00	2.2336E 00	1.9611E 00								
3000.00	2.2344E 00	2.0487E 00								
4000.00	2.2348E 00	2.0940E 00								
5000.00	2.2350E 00	2.1216E 00								
6000.00	2.2351E 00	2.1403E 00								
7000.00	2.2353E 00	2.1537E 00								
8000.00	2.2353E 00	2.1638E 00								
9000.00	2.2354E 00	2.1717E 00								
10000.00	2.2355E 00	2.1780E 00								
INF	2.2359E 00	2.2359E 00								

OMEGA = 0.90

TAU = 0.050

TAU = 0.100

TAU = 0.200

TAU = 0.300

ζ	x	y	x	y	x	y	x	y
0.01	1.0158E 00	1.6942E-02	1.0163E 00	7.9157E-03	1.0167E 00	6.6792E-03	1.0170E 00	5.0778E-03
0.05	1.0424E 00	4.0551E-01	1.0538E 00	1.7598E-01	1.0603E 00	5.2763E-02	1.0624E 00	3.1021E-02
0.10	1.0513E 00	6.5478E-01	1.0734E 00	4.3125E-01	1.0934E 00	2.3287E-01	1.1015E 00	1.1122E-01
0.20	1.0568E 00	8.3388E-01	1.0881E 00	6.8828E-01	1.1260E 00	4.7427E-01	1.1475E 00	3.3519E-01
0.30	1.0588E 00	9.0412E-01	1.0940E 00	8.0596E-01	1.1415E 00	6.3965E-01	1.1722E 00	5.1073E-01
0.40	1.0599E 00	9.4147E-01	1.0972E 00	8.7242E-01	1.1504E 00	7.4455E-01	1.1872E 00	6.3499E-01
0.50	1.0605E 00	9.6643E-01	1.0992E 00	9.1498E-01	1.1561E 00	8.1610E-01	1.1974E 00	7.2506E-01
0.60	1.0610E 00	9.8039E-01	1.1005E 00	9.4455E-01	1.1602E 00	8.6780E-01	1.2046E 00	7.9269E-01
0.80	1.0615E 00	1.0005E 00	1.1023E 00	9.8289E-01	1.1655E 00	9.3731E-01	1.2143E 00	8.8688E-01
1.00	1.0618E 00	1.0127E 00	1.1033E 00	1.0067E 00	1.1688E 00	9.4179E-01	1.2204E 00	9.4907E-01
1.50	1.0623E 00	1.0293E 00	1.1048E 00	1.0393E 00	1.1733E 00	1.0446E 00	1.2291E 00	1.0393E 00
2.00	1.0625E 00	1.0376E 00	1.1055E 00	1.0506E 00	1.1757E 00	1.0775E 00	1.2336E 00	1.0877E 00
3.00	1.0628E 00	1.0461E 00	1.1063E 00	1.0730E 00	1.1781E 00	1.1116E 00	1.2382E 00	1.1386E 00
4.00	1.0629E 00	1.0504E 00	1.1067E 00	1.0816E 00	1.1793E 00	1.1290E 00	1.2405E 00	1.1650E 00
5.00	1.0629E 00	1.0529E 00	1.1069E 00	1.0868E 00	1.1806E 00	1.1396E 00	1.2421E 00	1.1811E 00
7.50	1.0630E 00	1.0563E 00	1.1072E 00	1.0937E 00	1.1810E 00	1.1539E 00	1.2440E 00	1.2030E 00
10.00	1.0631E 00	1.0580E 00	1.1073E 00	1.0972E 00	1.1815E 00	1.1611E 00	1.2450E 00	1.2140E 00
15.00	1.0631E 00	1.0594E 00	1.1075E 00	1.1007E 00	1.1820E 00	1.1684E 00	1.2460E 00	1.2253E 00
20.00	1.0631E 00	1.0596E 00	1.1076E 00	1.1025E 00	1.1823E 00	1.1720E 00	1.2465E 00	1.2309E 00
30.00	1.0632E 00	1.0615E 00	1.1076E 00	1.1043E 00	1.1825E 00	1.1757E 00	1.2470E 00	1.2366E 00
50.00	1.0632E 00	1.0622E 00	1.1077E 00	1.1057E 00	1.1827E 00	1.1786E 00	1.2474E 00	1.2411E 00
75.00	1.0632E 00	1.0625E 00	1.1077E 00	1.1064E 00	1.1828E 00	1.1801E 00	1.2478E 00	1.2443E 00
100.00	1.0632E 00	1.0627E 00	1.1077E 00	1.1067E 00	1.1829E 00	1.1808E 00	1.2477E 00	1.2445E 00
150.00	1.0632E 00	1.0629E 00	1.1078E 00	1.1071E 00	1.1829E 00	1.1846E 00	1.2478E 00	1.2457E 00
200.00	1.0632E 00	1.0630E 00	1.1078E 00	1.1073E 00	1.1830E 00	1.1819E 00	1.2478E 00	1.2453E 00
300.00	1.0632E 00	1.0630E 00	1.1078E 00	1.1074E 00	1.1830E 00	1.1823E 00	1.2479E 00	1.2469E 00
400.00	1.0632E 00	1.0631E 00	1.1078E 00	1.1075E 00	1.1830E 00	1.1825E 00	1.2479E 00	1.2471E 00
500.00	1.0632E 00	1.0631E 00	1.1078E 00	1.1076E 00	1.1830E 00	1.1830E 00	1.2479E 00	1.2473E 00
750.00	1.0632E 00	1.0631E 00	1.1078E 00	1.1077E 00	1.1830E 00	1.1827E 00	1.2479E 00	1.2475E 00
1000.00	1.0632E 00	1.0632E 00	1.1078E 00	1.1077E 00	1.1830E 00	1.1828E 00	1.2480E 00	1.2476E 00
2000.00	1.0632E 00	1.0632E 00	1.1078E 00	1.1077E 00	1.1830E 00	1.1829E 00	1.2484E 00	1.2478E 00
3000.00	1.0632E 00	1.0632E 00	1.1078E 00	1.1078E 00	1.1830E 00	1.1830E 00	1.2486E 00	1.2479E 00
4000.00	1.0632E 00	1.0632E 00	1.1078E 00	1.1078E 00	1.1830E 00	1.1830E 00	1.2486E 00	1.2479E 00
5000.00	1.0632E 00	1.0632E 00	1.1078E 00	1.1078E 00	1.1830E 00	1.1830E 00	1.2486E 00	1.2479E 00
6000.00	1.0632E 00	1.0632E 00	1.1078E 00	1.1078E 00	1.1830E 00	1.1830E 00	1.2486E 00	1.2479E 00
7000.00	1.0632E 00	1.0632E 00	1.1078E 00	1.1078E 00	1.1830E 00	1.1830E 00	1.2486E 00	1.2479E 00
8000.00	1.0632E 00	1.0632E 00	1.1078E 00	1.1078E 00	1.1830E 00	1.1830E 00	1.2486E 00	1.2479E 00
9000.00	1.0632E 00	1.0632E 00	1.1078E 00	1.1078E 00	1.1830E 00	1.1830E 00	1.2486E 00	1.2479E 00
10000.00	1.0632E 00	1.0632E 00	1.1078E 00	1.1078E 00	1.1830E 00	1.1830E 00	1.2486E 00	1.2479E 00
INF	1.0632E 00	1.0632E 00	1.1078E 00	1.1078E 00	1.1830E 00	1.1830E 00	1.2486E 00	1.2480E 00

TAU = 0.400

TAU = 0.500

TAU = 0.601

TAU = 0.500

ζ	x	y	x	y	x	y	x	y
0.01	1.0172E 00	4.4255E-03	1.0174E 00	3.9487E-03	1.0175E 00	3.5753E-03	1.0177E 00	3.0137E-03
0.05	1.0637E 00	2.4852E-02	1.0646E 00	2.1712E-02	1.0654E 00	1.9508E-02	1.0665E 00	1.6327E-02
0.10	1.0556E 00	7.5389E-02	1.0808E 00	5.4847E-02	1.1100E 00	4.5593E-02	1.1126E 00	3.6506E-02
0.20	1.1607E 00	2.4474E-01	1.1694E 00	1.8552E-01	1.1754E 00	1.4611E-01	1.1832E 00	1.0074E-01
0.30	1.1933E 00	4.1197E-01	1.2084E 00	3.3635E-01	1.2196E 00	2.7677E-01	1.2348E 00	1.9987E-01
0.40	1.2143E 00	5.4318E-01	1.2347E 00	4.6692E-01	1.2506E 00	4.0375E-01	1.2733E 00	3.0795E-01
0.50	1.2288E 00	6.4440E-01	1.2535E 00	5.7285E-01	1.2733E 00	5.1808E-01	1.3026E 00	4.0990E-01
0.60	1.2394E 00	7.2258E-01	1.2674E 00	6.5846E-01	1.2904E 00	6.0038E-01	1.3256E 00	5.0099E-01
0.80	1.2538E 00	9.3565E-01	1.2867E 00	7.8606E-01	1.3146E 00	7.3834E-01	1.3590E 00	6.5038E-01
1.00	1.2632E 00	9.1293E-01	1.2995E 00	9.7551E-01	1.3308E 00	8.3790E-01	1.3826E 00	7.6439E-01
1.50	1.2785E 00	1.0278E 00	1.3179E 00	1.0124E 00	1.3546E 00	9.4937E-01	1.4169E 00	9.5301E-01
2.00	1.2836E 00	1.0910E 00	1.3278E 00	1.0695E 00	1.3676E 00	1.0843E 00	1.4363E 00	1.0663E 00
3.00	1.2909E 00	1.1538E 00	1.3383E 00	1.1728E 00	1.3813E 00	1.1832E 00	1.4573E 00	1.1945E 00
4.00	1.2947E 00	1.1936E 00	1.3437E 00	1.2170E 00	1.3885E 00	1.2363E 00	1.4684E 00	1.2649E 00
5.00	1.2970E 00	1.2154E 00	1.3470E 00	1.2444E 00	1.3929E 00	1.2693E 00	1.4753E 00	1.3093E 00
7.50	1.3020E 00	1.2450E 00	1.3514E 00	1.2819E 00	1.3989E 00	1.3149E 00	1.4847E 00	1.3711E 00
10.00	1.3018E 00	1.2616E 00	1.3537E 00	1.3012E 00	1.4019E 00	1.3303E 00	1.4995E 00	1.4032E 00
15.00	1.3033E 00	1.2745E 00	1.3586E 00	1.3207E 00	1.4050E 00	1.3622E 00	1.4944E 00	1.4361E 00
20.00	1.3042E 00	1.2831E 00	1.3572E 00	1.3306E 00	1.4066E 00	1.3743E 00	1.4969E 00	1.4529E 00
30.00	1.3050E 00	1.2909E 00	1.3583E 00	1.3405E 00	1.4082E 00	1.3865E 00	1.4994E 00	1.4698E 00
50.00	1.3056E 00	1.2971E 00	1.3593E 00	1.3486E 00	1.4094E 00	1.3964E 00	1.5014E 00	1.4836E 00
75.00	1.3059E 00	1.3003E 00	1.3598E 00	1.3526E 00	1.4101E 00	1.4040E 00	1.5040E 00	1.4905E 00
100.00	1.3061E 00	1.3018E 00	1.3600E 00	1.3546E 00	1.4104E 00	1.4038E 00	1.5029E 00	1.4940E 00
150.00	1.3063E 00	1.3034E 00	1.3602E 00	1.3566E 00	1.4107E 00	1.4063E 00	1.5034E 00	1.4976E 00
200.00	1.3069E 00	1.3042E 00	1.3603E 00	1.3576E 00	1.4109E 00	1.4076E 00	1.5037E 00	1.4992E 00
300.00	1.3064E 00	1.3050E 00	1.3505E 00	1.3587E 00	1.4110E 00	1.4088E 00	1.5039E 00	1.5009E 00
400.00	1.3065E 00	1.3054E 00	1.3605E 00	1.3592E 00	1.4111E 00	1.4095E 00	1.5040E 00	1.5018E 00
500.00	1.3065E 00	1.3056E 00	1.3606E 00	1.3595E 00	1.4111E 00	1.4098E 00	1.5041E 00	1.5023E 00
750.00	1.3065E 00	1.3059E 00	1.3606E 00	1.3599E 00	1.4112E 00	1.4103E 00	1.5042E 00	1.5030E 00
1000.00	1.3065E 00	1.3061E 00	1.3606E 00	1.3601E 00	1.4112E 00	1.4106E 00	1.5043E 00	1.5034E 00
2000.00	1.3066E 00	1.3063E 00	1.3607E 00	1.3604E 00	1.4113E 00	1.4110E 00	1.5043E 00	1.5039E 00
3000.00	1.3066E 00	1.3064E 00	1.3607E 00	1.3605E 00	1.4113E 00	1.4111E 00	1.5044E 00	1.5041E 00
4000.00	1.3066E 00	1.3065E 00	1.3607E 00	1.3605E 00	1.4113E 00	1.4111E 00	1.5044E 00	1.5042E 00
5000.00	1.3066E 00	1.3066E 00	1.3607E 00	1.3606E 00	1.4113E 00	1.4112E 00	1.5044E 00	1.5042E 00
6000.00	1.3066E 00	1.3066E 00	1.3607E 00	1.3606E 00	1.4113E 00	1.4112E 00	1.5044E 00	1.5042E 00
7000.00	1.3066E 00	1.3065E 00	1.3607E 00	1.3606E 00	1.4113E 00	1.4112E 00	1.5044E 00	1.5043E 00
8000.00	1.3066E 00	1.3065E 00	1.3607E 00	1.3606E 00	1.4113E 00	1.4112E 00	1.5044E 00	1.5043E 00
9000.00	1.3066E 00	1.3065E 00	1.3607E 00	1.3606E 00	1.4113E 00	1.4112E 00	1.5044E 00	1.5043E 00
10000.00	1.3066E 00	1.3065E 00	1.3607E 00	1.3606E 00	1.4113E 00	1.4113E 00	1.5044E 00	1.5043E 00
INF	1.3066E 00	1.3066E 00	1.3607E 00	1.3607E 00	1.4113E 00	1.4113E 00	1.5044E 00	1.5044E 00

OMEGA = 0.90

	TAU = 1.000			TAU = 1.500			TAU = 2.000			TAU = 2.500				
Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y			
0.01	1.0179E 00	2.6026E-03	1.0181E 00	1.9180E-03	1.0183E 00	1.4869E-03	1.0184E 00	1.1880E-03	1.0184E 00	1.0184E 00	1.1880E-03	1.0184E 00	1.1880E-03	
0.05	1.0673E 00	1.4045E-02	1.0687E 00	1.0297E-02	1.0694E 00	7.9612E-03	1.0699E 00	6.3498E-03	1.0699E 00	6.3498E-03	1.0699E 00	6.3498E-03	1.0699E 00	6.3498E-03
0.10	1.1144E 00	3.0573E-02	1.1172E 00	2.2190E-02	1.1188E 00	1.7088E-02	1.1196E 00	1.3596E-02	1.1196E 00	1.3596E-02	1.1196E 00	1.3596E-02	1.1196E 00	1.3596E-02
0.20	1.1880E 00	7.7502E-02	1.1948E 00	5.1359E-02	1.1985E 00	3.8760E-02	1.2006E 00	3.0611E-02	1.2027E 00	2.6275E 00	5.1395E-02	1.2027E 00	2.6275E 00	5.1395E-02
0.30	1.2443E 00	1.5164E-01	1.2572E 00	9.2386E-02	1.2637E 00	6.6393E-02	1.2675E 00	5.1395E-02	1.2675E 00	5.1395E-02	1.2675E 00	5.1395E-02	1.2675E 00	5.1395E-02
0.40	1.2882E 00	2.4150E-01	1.3089E 00	1.4760E-01	1.3191E 00	1.0262E-01	1.3249E 00	7.7347E-02	1.3249E 00	7.7347E-02	1.3249E 00	7.7347E-02	1.3249E 00	7.7347E-02
0.50	1.3228E 00	3.3359E-01	1.3522E 00	2.1272E-01	1.3669E 00	1.4775E-01	1.3752E 00	1.0967E-01	1.3752E 00	1.0967E-01	1.3752E 00	1.0967E-01	1.3752E 00	1.0967E-01
0.60	1.3507E 00	4.2089E-01	1.3887E 00	2.8227E-01	1.4084E 00	1.9968E-01	1.4197E 00	1.4820E-01	1.4197E 00	1.4820E-01	1.4197E 00	1.4820E-01	1.4197E 00	1.4820E-01
0.80	1.3924E 00	5.7281E-01	1.4463E 00	4.2004E-01	1.4765E 00	3.1341E-01	1.4944E 00	2.3875E-01	1.4944E 00	2.3875E-01	1.4944E 00	2.3875E-01	1.4944E 00	2.3875E-01
1.00	1.4219E 00	6.9508E-01	1.4895E 00	5.4508E-01	1.5296E 00	4.2770E-01	1.5544E 00	3.3760E-01	1.5544E 00	3.3760E-01	1.5544E 00	3.3760E-01	1.5544E 00	3.3760E-01
1.50	1.4677E 00	9.0768E-01	1.5604E 00	7.8971E-01	1.6210E 00	6.7680E-01	1.6617E 00	5.7516E-01	1.6617E 00	5.7516E-01	1.6617E 00	5.7516E-01	1.6617E 00	5.7516E-01
2.00	1.4939E 00	1.0409E 00	1.6031E 00	9.5913E-01	1.6786E 00	8.6633E-01	1.7319E 00	7.7228E-01	1.7319E 00	7.7228E-01	1.7319E 00	7.7228E-01	1.7319E 00	7.7228E-01
3.00	1.5226E 00	1.1961E 00	1.6518E 00	1.1712E 00	1.7465E 00	1.1201E 00	1.8173E 00	1.0546E 00	1.8173E 00	1.0546E 00	1.8173E 00	1.0546E 00	1.8173E 00	1.0546E 00
4.00	1.5380E 00	1.2823E 00	1.6787E 00	1.2966E 00	1.7851L 00	1.2783E 00	1.8677E 00	1.2394E 00	1.8677E 00	1.2394E 00	1.8677E 00	1.2394E 00	1.8677E 00	1.2394E 00
5.00	1.5476E 00	1.3388E 00	1.6958E 00	1.3791E 00	1.8099E 00	1.3852E 00	1.8995E 00	1.3679E 00	1.8995E 00	1.3679E 00	1.8995E 00	1.3679E 00	1.8995E 00	1.3679E 00
7.50	1.5608E 00	1.4170E 00	1.7196E 00	1.4981E 00	1.8452E 00	1.5435E 00	1.9462E 00	1.5630E 00	1.9462E 00	1.5630E 00	1.9462E 00	1.5630E 00	1.9462E 00	1.5630E 00
10.00	1.5676E 00	1.4548E 00	1.7321E 00	1.5618E 00	1.8638E 00	1.6301E 00	1.9711E 00	1.6720E 00	1.9711E 00	1.6720E 00	1.9711E 00	1.6720E 00	1.9711E 00	1.6720E 00
15.00	1.5745E 00	1.5003E 00	1.7449E 00	1.6286E 00	1.8831E 00	1.7222E 00	1.9972E 00	1.7896E 00	1.9972E 00	1.7896E 00	1.9972E 00	1.7896E 00	1.9972E 00	1.7896E 00
20.00	1.5781E 00	1.5219E 00	1.7514E 00	1.6631E 00	1.8930E 00	1.7703E 00	2.0107E 00	1.8518E 00	2.0107E 00	1.8518E 00	2.0107E 00	1.8518E 00	2.0107E 00	1.8518E 00
30.00	1.5816E 00	1.5439E 00	1.7580E 00	1.6984E 00	1.9031E 00	1.8199E 00	2.0245E 00	1.9163E 00	2.0245E 00	1.9163E 00	2.0245E 00	1.9163E 00	2.0245E 00	1.9163E 00
50.00	1.5845E 00	1.5617E 00	1.7634E 00	1.7273E 00	1.9113E 00	1.8608E 00	2.0357E 00	1.9498E 00	2.0357E 00	1.9498E 00	2.0357E 00	1.9498E 00	2.0357E 00	1.9498E 00
75.00	1.5859E 00	1.5707E 00	1.7661E 00	1.7419E 00	1.9155E 00	1.8815E 00	2.0414E 00	1.9971E 00	2.0414E 00	1.9971E 00	2.0414E 00	1.9971E 00	2.0414E 00	1.9971E 00
100.00	1.5867E 00	1.5752E 00	1.7675E 00	1.7493E 00	1.9175E 00	1.8920E 00	2.0443E 00	2.0109E 00	2.0443E 00	2.0109E 00	2.0443E 00	2.0109E 00	2.0443E 00	2.0109E 00
150.00	1.5874E 00	1.5797E 00	1.7688E 00	1.7576E 00	1.9196E 00	1.9026E 00	2.0472E 00	2.0246E 00	2.0472E 00	2.0246E 00	2.0472E 00	2.0246E 00	2.0472E 00	2.0246E 00
200.00	1.5877E 00	1.5820E 00	1.7695E 00	1.7604E 00	1.9207E 00	1.9079E 00	2.0485E 00	2.0253E 00	2.0485E 00	2.0253E 00	2.0485E 00	2.0253E 00	2.0485E 00	2.0253E 00
300.00	1.5881E 00	1.5843E 00	1.7702E 00	1.7614E 00	1.9217E 00	1.9132E 00	2.0501E 00	2.0289E 00	2.0501E 00	2.0289E 00	2.0501E 00	2.0289E 00	2.0501E 00	2.0289E 00
400.00	1.5883E 00	1.5854E 00	1.7705E 00	1.7660E 00	1.9223E 00	1.9158E 00	2.0509E 00	2.0244E 00	2.0509E 00	2.0244E 00	2.0509E 00	2.0244E 00	2.0509E 00	2.0244E 00
500.00	1.5884E 00	1.5861E 00	1.7707E 00	1.7671E 00	1.9226E 00	1.9174E 00	2.0512E 00	2.0244E 00	2.0512E 00	2.0244E 00	2.0512E 00	2.0244E 00	2.0512E 00	2.0244E 00
750.00	1.5885E 00	1.5876E 00	1.7710E 00	1.7686E 00	1.9230E 00	1.9196E 00	2.0518E 00	2.0247E 00	2.0518E 00	2.0247E 00	2.0518E 00	2.0247E 00	2.0518E 00	2.0247E 00
1000.00	1.5886E 00	1.5887E 00	1.7711E 00	1.7711E 00	1.9232E 00	1.9206E 00	2.0521E 00	2.0248E 00	2.0521E 00	2.0248E 00	2.0521E 00	2.0248E 00	2.0521E 00	2.0248E 00
10000.00	1.5888E 00	1.5888E 00	1.7716E 00	1.7716E 00	1.9239E 00	1.9239E 00	2.0530E 00	2.0250E 00	2.0530E 00	2.0250E 00	2.0530E 00	2.0250E 00	2.0530E 00	2.0250E 00
INF	1.5888E 00	1.5888E 00	1.7716E 00	1.7716E 00	1.9239E 00	1.9239E 00	2.0530E 00	2.0250E 00	2.0530E 00	2.0250E 00	2.0530E 00	2.0250E 00	2.0530E 00	2.0250E 00

	TAU = 3.000			TAU = 3.500			TAU = 4.000			TAU = 4.500				
Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y			
0.01	1.0184E 00	9.6923E-04	1.0185E 00	8.0327E-04	1.0185E 00	6.7429E-04	1.0185E 00	5.7193E-04	1.0185E 00	5.7193E-04	1.0185E 00	5.7193E-04	1.0185E 00	5.7193E-04
0.05	1.0702E 00	5.1739E-03	1.0704E 00	4.2841E-03	1.0705E 00	3.5928E-03	1.0706E 00	3.0452E-03	1.0706E 00	3.0452E-03	1.0706E 00	3.0452E-03	1.0706E 00	3.0452E-03
0.10	1.1205E 00	1.0159E-02	1.1209E 00	9.1444E-03	1.1212E 00	7.6604E-03	1.1214E 00	6.4865E-03	1.1214E 00	6.4865E-03	1.1214E 00	6.4865E-03	1.1214E 00	6.4865E-03
0.20	1.2022E 00	2.4749E-02	1.2032E 00	2.0342E-02	1.2039E 00	1.7073E-02	1.2044E 00	1.4462E-02	1.2044E 00	1.4462E-02	1.2044E 00	1.4462E-02	1.2044E 00	1.4462E-02
0.30	1.2700E 00	4.1254E-02	1.2716E 00	3.3836E-02	1.2727E 00	2.8172E 00	1.2735E 00	2.3747E 00	1.2735E 00	2.3747E 00	1.2735E 00	2.3747E 00	1.2735E 00	2.3747E 00
0.40	1.3286E 00	6.1102E-02	1.3310E 00	4.9660E-02	1.3326E 00	4.1127E-02	1.3337E 00	3.4531E-02	1.3337E 00	3.4531E-02	1.3337E 00	3.4531E-02	1.3337E 00	3.4531E-02
0.50	1.3803E 00	8.5311E-02	1.3834E 00	6.8529E-02	1.3859E 00	5.6292E-02	1.3874E 00	4.6979E-02	1.3874E 00	4.6979E-02	1.3874E 00	4.6979E-02	1.3874E 00	4.6979E-02
0.60	1.4246E 00	1.1440E-01	1.4309E 00	9.1040E-02	1.4339E 00	7.4157E-02	1.4360E 00	6.1492E-02	1.4360E 00	6.1492E-02	1.4360E 00	6.1492E-02	1.4360E 00	6.1492E-02
0.80	1.5056E 00	1.8575E-01	1.5127E 00	1.4741E-01	1.5157E 00	1.1912E-01	1.5208E 00	9.7810E-02	1.5208E 00	9.7810E-02	1.5208E 00	9.7810E-02	1.5208E 00	9.7810E-02
1.00	1.5703E 00	2.6878E-01	1.5808E 00	2.1617E-01	1.5808E 00	1.7570E-01	1.5927E 00	1.4343E-01	1.5927E 00	1.4343E-01	1.5927E 00	1.4343E-01	1.5927E 00	1.4343E-01
1.50	1.6896E 00	4.8654E-01	1.7090E 00	4.1071E-01	1.7226E 00	3.4660E-01	1.733E 00	2.9281E-01	1.733E 00	2.9281E-01	1.733E 00	2.9281E-01	1.733E 00	2.9281E-01
2.00	1.7702E 00	6.8247E-01	1.7979E 00	5.9342E-01	1.8181E 00	5.2466E-01	1.8330E 00	4.5723E-01	1.8330E 00	4.5723E-01	1.8330E 00	4.5723E-01	1.8330E 00	4.5723E-01
3.00	1.8708E 00	9.8161E-01	1.9116E 00	9.0596E-01	1.9429E 00	8.3058E-01	1.9671E 00	7.5778E-01	1.9671E 00	7.5778E-01	1.9671E 00	7.5778E-01	1.9671E 00	7.5778E-01
4.00	1.9308E 00	1.1873E 00	1.9808E 00	1.1270E 00	2.0203E 00	1.0622E 00	2.0516E 00	9.5350E-01	2.0516E 00	9.5350E-01	2.0516E 00	9.5350E-01	2.0516E 00	9.5350E-01
5.00	1.9705E 00	1.3342E 00	2.0272E 00	1.2892E 00	2.0727E 00	1.2349E 00	2.1095E 00	1.1795E 00	2.1095E 00	1.1795E 00	2.1095E 00	1.1795E 00	2.1095E 00	1.1795E 00
7.50	2.0293E 00	1.5630E 00	2.0955E 00	1.5482E 00	2.1508E 00	1.5233E 00	2.1956E 00	1.4898E 00	2.1956E 00	1.4898E 00	2.1956E 00	1.4898E 00	2.1956E 00	1.4898E 00
10.00	2.0595E 00	1.6936E 00	2.1328E 00	1.6929E 00	2.1939E 00	1.6923E 00	2.2421E 00	1.6755E 00	2.24					

OMEGA = 0.90												
	TAU = 5.000			TAU = 7.500			TAU = 10.00			TAU = 15.00		
<i>z</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>
0.01	1.0105E 00	4.4944E-04	1.0186E 00	2.4896E-04	1.0186E 00	1.4312E-04	1.0186E 00	5.9754E-05				
0.05	1.0709E 00	2.0465E-03	1.0709E 00	1.3216E-03	1.0709E 00	7.5827E-04	1.0709E 00	3.1604E-04				
0.10	1.1216E 00	5.5424E-03	1.1216E 00	2.8041E-03	1.1220E 00	1.6056E-03	1.1221E 00	6.6740E-04				
0.20	1.2047E 00	1.2305E-02	1.2059E 00	6.1835E-03	1.2057E 00	3.5252E-03	1.2058E 00	1.4571E-03				
0.30	1.2740E 00	2.0213E-02	1.2753E 00	1.0082E-02	1.2757E 00	5.7202E-03	1.2759E 00	2.3502E-03				
0.40	1.3346E 00	2.9309E-02	1.3366E 00	1.4491E-02	1.3369E 00	8.1796E-03	1.3372E 00	3.3393E-03				
0.50	1.3886E 00	3.9728E-02	1.3911E 00	1.9429E-02	1.3918E 00	1.0903E-02	1.3921E 00	4.4207E-03				
0.60	1.4374E 00	5.1706E-02	1.4407E 00	2.4933E-02	1.4416E 00	1.3699E-02	1.4420E 00	5.5932E-03				
0.80	1.5231E 00	8.1433E-02	1.5281E 00	3.7912E-02	1.5294E 00	2.0772E-02	1.5301E 00	8.2146E-03				
1.00	1.5961E 00	1.1968E-01	1.6034E 00	5.4196E-02	1.6053E 00	2.9027E-02	1.6062E 00	1.1225E-02				
1.50	1.7393E 00	2.4789E-01	1.7547E 00	1.1368E-01	1.7586E 00	5.8325E-02	1.7604E 00	2.0878E-02				
2.00	1.8451E 00	3.9810E-01	1.8697E 00	1.9929E-01	1.8767E 00	1.0403E-01	1.8798E 00	3.5170E-02				
3.00	1.9858E 00	6.8851E-01	2.0336E 00	4.1144E-01	2.0488E 00	2.4075E-01	2.0561E 00	8.6125E-02				
4.00	2.0765E 00	9.2871E-01	2.1444E 00	6.2777E-01	2.1686E 00	4.0843E-01	2.1818E 00	1.6902E-01				
5.00	2.1393E 00	1.1195E 00	2.2240E 00	8.2296E-01	2.2568E 00	5.7923E-01	2.2766E 00	2.7418E-01				
7.50	2.2347E 00	1.4475E 00	2.3501E 00	1.2021E 00	2.4006E 00	9.5377E-01	2.4360E 00	5.6678E-01				
10.00	2.2822E 00	1.6510E 00	2.4236E 00	1.4629E 00	2.4868E 00	1.2391E 00	2.5353E 00	8.3890E-01				
15.00	2.3462E 00	1.8868E 00	2.5055E 00	1.7878E 00	2.5851E 00	1.6214E 00	2.6522E 00	1.2614E 00				
20.00	2.3770E 00	2.0185E 00	2.5500E 00	1.9792E 00	2.6395E 00	1.8593E 00	2.7186E 00	1.5557E 00				
30.00	2.4091E 00	2.1602E 00	2.5971E 00	2.1932E 00	2.6979E 00	2.1354E 00	2.7918E 00	2.7733E 00				
50.00	2.4358E 00	2.2815E 00	2.6368E 00	2.3824E 00	2.7478E 00	2.3879E 00	2.8554E 00	2.2819E 00				
75.00	2.4495E 00	2.3449E 00	2.6574E 00	2.4836E 00	2.7739E 00	2.5256E 00	2.8891E 00	2.4879E 00				
100.00	2.4564E 00	2.3773E 00	2.6679E 00	2.5359E 00	2.7872E 00	2.5982E 00	2.9065E 00	2.5982E 00				
150.00	2.4634E 00	2.4102E 00	2.6785E 00	2.5894E 00	2.8007E 00	2.6726E 00	2.9243E 00	2.7136E 00				
200.00	2.4669E 00	2.4269E 00	2.6838E 00	2.6166E 00	2.8075E 00	2.7107E 00	2.9333E 00	2.7733E 00				
300.00	2.4704E 00	2.4436E 00	2.6892E 00	2.6441E 00	2.8144E 00	2.7473E 00	2.9424E 00	2.8344E 00				
400.00	2.4722E 00	2.4552E 00	2.6919E 00	2.6580E 00	2.8179E 00	2.7689E 00	2.9449E 00	2.8654E 00				
500.00	2.4733E 00	2.4571E 00	2.6935E 00	2.6663E 00	2.8200E 00	2.7806E 00	2.9497E 00	2.8843E 00				
750.00	2.4747E 00	2.4639E 00	2.6957E 00	2.6775E 00	2.8228E 00	2.7965E 00	2.9534E 00	2.9096E 00				
1000.00	2.4754E 00	2.4673E 00	2.6968E 00	2.68631E 00	2.8242E 00	2.8044E 00	2.9593E 00	2.9223E 00				
2000.00	2.4765E 00	2.4724E 00	2.6984E 00	2.6916E 00	2.8263E 00	2.8163E 00	2.9500E 00	2.9415E 00				
3000.00	2.4768E 00	2.4741E 00	2.6990E 00	2.6946E 00	2.8270E 00	2.8203E 00	2.9509E 00	2.9479E 00				
4000.00	2.4770E 00	2.4750E 00	2.6992E 00	2.6958E 00	2.8273E 00	2.8223E 00	2.9594E 00	2.9511E 00				
5000.00	2.4771E 00	2.4755E 00	2.6994E 00	2.6936E 00	2.8275E 00	2.8235E 00	2.9597E 00	2.9531E 00				
6000.00	2.4772E 00	2.4758E 00	2.6995E 00	2.6972E 00	2.8277E 00	2.8243E 00	2.9599E 00	2.9544E 00				
7000.00	2.4772E 00	2.4761E 00	2.6996E 00	2.6976E 00	2.8278E 00	2.8249E 00	2.9600E 00	2.9553E 00				
8000.00	2.4773E 00	2.4762E 00	2.6996E 00	2.6979E 00	2.8278E 00	2.8253E 00	2.9601E 00	2.9560E 00				
9000.00	2.4773E 00	2.4764E 00	2.6997E 00	2.6982E 00	2.8279E 00	2.8257E 00	2.9602E 00	2.9565E 00				
10000.00	2.4773E 00	2.4765E 00	2.6997E 00	2.6983E 00	2.8279E 00	2.8259E 00	2.9603E 00	2.9570E 00				
INF	2.4775E 00	2.4775E 00	2.7000E 00	2.7000E 00	2.8284E 00	2.8284E 00	2.9608E 00	2.9608E 00				
	TAU = 20.00			TAU = 25.00			TAU = 30.00			TAU = 40.00		
<i>z</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>	<i>x</i>	<i>y</i>
0.01	1.0186E 00	3.0655E-05	1.0186E 00	1.8001E-05	1.0186E 00	1.1519E-05	1.0186E 00	5.8667E-06				
0.05	1.0709E 00	1.6192E-04	1.0709E 00	9.4996E-05	1.0709E 00	6.1261E-05	1.0709E 00	3.0904E-05				
0.10	1.1216E 00	3.4137E-04	1.1216E 00	2.0000E-04	1.1216E 00	1.2687E-04	1.1216E 00	6.4950E-05				
0.20	1.2058E 00	7.4269E-04	1.2059E 00	4.3420E-04	1.2059E 00	2.7923E-04	1.2059E 00	1.4042E-04				
0.30	1.2759E 00	1.1936E-03	1.2759E 00	6.9610E-04	1.2759E 00	4.4687E-04	1.2759E 00	2.2421E-04				
0.40	1.3372E 00	1.6894E-03	1.3373E 00	9.8276E-04	1.3373E 00	6.2477E-04	1.3373E 00	3.1521E-04				
0.50	1.3922E 00	2.2274E-03	1.3922E 00	1.2923E-03	1.3922E 00	8.2662E-04	1.3922E 00	4.1273E-04				
0.60	1.4421E 00	2.8061E-03	1.4421E 00	1.6236E-03	1.4421E 00	1.0365E-03	1.4421E 00	5.1623E-04				
0.80	1.5302E 00	4.0826E-03	1.5302E 00	2.3482E-03	1.5303E 00	1.4331E-03	1.5303E 00	7.3969E-04				
1.00	1.6064E 00	5.5183E-03	1.6064E 00	3.1533E-03	1.6064E 00	1.9961E-03	1.6064E 00	9.8338E-04				
1.50	1.7607E 00	9.8702E-03	1.7608E 00	5.5221E-03	1.7608E 00	3.4505E-03	1.7608E 00	1.6734E-03				
2.00	1.8803E 00	1.5676E-02	1.8804E 00	8.4814E-03	1.8805E 00	5.2222E-03	1.8805E 00	2.4738E-03				
3.00	2.0574E 00	3.5557E-02	2.0577E 00	1.7481E-02	2.0578E 00	1.4006E-02	2.0578E 00	4.4423E-03				
4.00	2.1843E 00	7.2964E-02	2.1849E 00	3.4541E-02	2.1851E 00	1.8363E-02	2.1851E 00	2.1652E 00				
5.00	2.2808E 00	1.2961E-01	2.2819E 00	6.3621E-02	2.2822E 00	3.3242E-02	2.2822E 00	2.1676E-02				
7.50	2.4455E 00	3.2721E-01	2.4485E 00	1.8802E-01	2.4495E 00	1.0892E-01	2.4501E 00	3.8889E-02				
10.00	2.5501E 00	5.4987E-01	2.5533E 00	3.5621E-01	2.5574E 00	2.3008E-01	2.5587E 00	9.7026E-02				
15.00	2.6758E 00	9.5076E-01	2.6854E 00	7.0720E-01	2.6898E 00	5.2276E-01	2.6931E 00	2.8373E-01				
20.00	2.7488E 00	1.2611E 00	2.7620E 00	1.0100E 00	2.7684E 00	8.0382E-01	2.7738E 00	5.0472E-01				
30.00	2.9021E 00	2.1222E 00	2.9257E 00	1.9521E 00	2.9390E 00	1.7861E 00	2.9523E 00	1.4837E 00				
75.00	2.9407E 00	2.3867E 00	2.9676E 00	2.2457E 00	2.9833E 00	2.1399E 00	2.9998E 00	1.8953E 00				
100.00	2.9607E 00	2.5316E 00	2.9805E 00	2.4416E 00	3.0065E 00	2.3432E 00	3.0248E 00	2.1424E 00				
150.00	2.9813E 00	2.6857E 00	3.0120E 00	2.6317E 00	3.0305E 00	2.5665E 00	3.0508E 00	2.4267E 00				
200.00	2.9917E 00	2.7664E 00	3.0235E 00	2.7324E 00	3.0428E 00	2.6862E 00	3.0642E 00	2.5792E 00				
300.00	3.0023E 00	2.8466E 00	3.0352E 00	2.8371E 00	3.0553E 00	2.8116E 00	3.0778E 00	2.7438E 00				
400.00	3.0077E 00	2.8922E 00	3.0411E 00	2.8910E 00	3.0616E 00	2.8766E 00	3.0847E 00	2.8301E 00				
500.00	3.0109E 00	2.9181E 00	3.0447E 00	2.9238E 00	3.0654E 00	2.9163E 00	3.0889E 00	2.8832E 00				
750.00	3.0152E 00	2.9529E 00	3.0494E 00	2.9682E 00	3.0705E 00	2.9761E 00	3.0945E 00	2.9556E 00				
1000.00	3.0174E 00	2.9705E 00	3.0518E 00	2.9906E 00	3.0731E 00	2.9974E 00	3.0974E 00	2.9925E 00				
2000.00	3.0207E 00	2.9971E 00	3.0594E 00	3.0246E 00	3.0770E 00	3.0398E 00	3.1016E 00	3.0486E 00				
3000.00	3.0217E 00	3.0060E 00	3.0566E 00	3.0361E 00	3.0783E 00	3.0528E 00	3.1031E 00	3.0676E 00				
4000.00	3.0223E 00	3.0105E 00	3.0572E 00	3.0418E 00	3.0789E 00	3.0598E 00	3.1038E 00	3.0771E 00				
5000.00	3.0226E 00	3.0132E 00	3.0576E 00	3.0452E 00	3.0793E 00	3.0640E 00	3.1042E 00	3.0829E 00				
6000.00	3.0228E 00	3.0150E 00	3.0578E 00	3.								

OMEGA = 0.90

TAU = 50.00

TAU = 75.00

TAU = 100.0

TAU = 200.0

ζ	x	y	x	y	x	y	x	y
0.01	1.0186E 00	3.5698E-06	1.0186E 00	1.6218E-06	1.0186E 00	9.4537E-07	1.0186E 00	1.2466E-07
0.05	1.0709E 00	1.8799E-05	1.0709E 00	8.6399E-06	1.0709E 00	4.9740E-06	1.0709E 00	6.5552E-07
0.10	1.1221E 00	3.9476E-05	1.1221E 00	1.8109E-05	1.1221E 00	1.0434E-05	1.1221E 00	1.3752E-06
0.20	1.2059E 00	8.5213E-05	1.2059E 00	3.8984E-05	1.2059E 00	2.2473E-05	1.2059E 00	2.9617E-06
0.30	1.2759E 00	1.3584E-04	1.2759E 00	6.2018E-05	1.2759E 00	3.5743E-05	1.2759E 00	4.7103E-06
0.40	1.3373E 00	1.9065E-04	1.3373E 00	8.6973E-05	1.3373E 00	5.0053E-05	1.3373E 00	6.5957E-06
0.50	1.3922E 00	2.4921E-04	1.3922E 00	1.1333E-04	1.3922E 00	6.5273E-05	1.3922E 00	8.6009E-06
0.60	1.4421E 00	3.1117E-04	1.4421E 00	1.4122E-04	1.4421E 00	8.1308E-05	1.4421E 00	1.0713E-05
0.80	1.5303E 00	4.4429E-04	1.5303E 00	2.0080E-04	1.5303E 00	1.1552E-04	1.5303E 00	1.5219E-05
1.00	1.6065E 00	5.8849E-04	1.6065E 00	2.6483E-04	1.6065E 00	1.5224E-04	1.6065E 00	2.0054E-05
1.50	1.7608E 00	9.9145E-04	1.7608E 00	4.4109E-04	1.7608E 00	2.5301E-04	1.7608E 00	3.3314E-05
2.00	1.8805E 00	1.4492E-03	1.8805E 00	6.3655E-04	1.8805E 00	3.6422E-04	1.8805E 00	4.7937E-05
3.00	2.0578E 00	2.5236E-03	2.0578E 00	1.0748E-03	2.0578E 00	6.1134E-04	2.0578E 00	8.0377E-05
4.00	2.1852E 00	3.8572E-03	2.1853E 00	1.5698E-03	2.1853E 00	9.8582E-04	2.1853E 00	1.1630E-04
5.00	2.2824E 00	5.6644E-03	2.2825E 00	2.1240E-03	2.2825E 00	1.1648E-03	2.2825E 00	1.5526E-04
7.50	2.4502E 00	1.5939E-02	2.4503E 00	4.0170E-03	2.4503E 00	2.0468E-03	2.4503E 00	2.6488E-04
10.00	2.5590E 00	2.6245E-02	2.5592E 00	8.2460E-03	2.5592E 00	3.2723E-03	2.5592E 00	3.9221E-04
15.00	2.6941E 00	1.5423E-01	2.6946E 00	3.6060E-02	2.6946E 00	1.0552E-02	2.6947E 00	7.1581E-04
20.00	2.7756E 00	3.1571E-01	2.7768E 00	9.9036E-02	2.7770E 00	3.2976E-02	2.7770E 00	1.3040E-03
30.00	2.8703E 00	6.6562E-01	2.8731E 00	3.0011E-01	2.8738E 00	1.3619E-01	2.874CF 00	6.8153E-03
50.00	2.9584E 00	1.2267E 00	2.9643E 00	7.5726E-01	2.9662E 00	4.6632E-01	2.9673E 00	6.6795E-02
75.00	3.0078E 00	1.6713E 00	3.0164E 00	1.2122E 00	3.0196E 00	8.7636E-01	3.0219E 00	2.3652E-01
100.00	3.0340E 00	1.9523E 00	3.0443E 00	1.5359E 00	3.0486E 00	1.2044E 00	3.0521E 00	4.4956E-01
150.00	3.0614E 00	2.2815E 00	3.0739E 00	1.9497E 00	3.0794E 00	1.6573E 00	3.0848E 00	8.5889E-01
200.00	3.0755E 00	2.4668E 00	3.0893E 00	2.1938E 00	3.0956E 00	1.9449E 00	3.1022E 00	1.1886E 00
300.00	3.0899E 00	2.6674E 00	3.1051E 00	2.4717E 00	3.1124E 00	2.2830E 00	3.1205E 00	1.6658E 00
400.00	3.0973E 00	2.7739E 00	3.1132E 00	2.6234E 00	3.1210E 00	2.4737E 00	3.1301E 00	1.9371E 00
500.00	3.1017E 00	2.8398E 00	3.1181E 00	2.7191E 00	3.1263E 00	2.5958E 00	3.1359E 00	2.1361E 00
750.00	3.1077E 00	2.9302E 00	3.1247E 00	2.8521E 00	3.1334E 00	2.7680E 00	3.1439E 00	2.6339E 00
1000.00	3.1107E 00	2.9765E 00	3.1281E 00	2.9210E 00	3.1369E 00	2.8584E 00	3.1479E 00	2.5981E 00
2000.00	3.1115E 00	3.0473E 00	3.1331E 00	3.0277E 00	3.1424E 00	2.9936E 00	3.1541E 00	2.8554E 00
3000.00	3.1168E 00	3.0713E 00	3.1346E 00	3.0641E 00	3.1442E 00	3.0432E 00	3.1562E 00	2.9605E 00
4000.00	3.1176E 00	3.0834E 00	3.1357E 00	3.0824E 00	3.1451E 00	3.0728E 00	3.1572E 00	3.0933E 00
5000.00	3.1180E 00	3.0906E 00	3.1362E 00	3.0935E 00	3.1457E 00	3.0877E 00	3.1578E 00	3.0389E 00
6000.00	3.1183E 00	3.0955E 00	3.1365E 00	3.1009E 00	3.1460E 00	3.0976E 00	3.1583E 00	3.0588E 00
7000.00	3.1185E 00	3.0990E 00	3.1367E 00	3.1062E 00	3.1463E 00	3.1048E 00	3.1586E 00	3.0731E 00
8000.00	3.1187E 00	3.1016E 00	3.1369E 00	3.1102E 00	3.1465E 00	3.1101E 00	3.1588E 00	3.0839E 00
9000.00	3.1188E 00	3.1036E 00	3.1371E 00	3.1133E 00	3.1466E 00	3.1143E 00	3.1590E 00	3.0923E 00
10000.00	3.1189E 00	3.1052E 00	3.1372E 00	3.1158E 00	3.1468E 00	3.1176E 00	3.1591E 00	3.0990E 00
INF	3.1199E 00	3.1199E 00	3.1382E 00	3.1382E 00	3.1479E 00	3.1479E 00	3.1604E 00	3.1604E 00

TAU = 286.6

ζ	x	y
0.01	1.0186E 00	2.1834E-08
0.05	1.0709E 00	1.1405E-07
0.10	1.1221E 00	1.2394E-07
0.20	1.2059E 00	5.1579E-07
0.30	1.2759E 00	8.2037E-07
0.40	1.3373E 00	1.1488E-06
0.50	1.3922E 00	1.4981E-06
0.60	1.4421E 00	1.8660E-06
0.80	1.5303E 00	2.6509E-06
1.00	1.6065E 00	3.4930E-06
1.50	1.7608E 00	5.8028E-06
2.00	1.8805E 00	8.3501E-06
3.00	2.0579E 00	1.4001E-05
4.00	2.1853E 00	2.0259E-05
5.00	2.2825E 00	2.7044E-05
7.50	2.4503E 00	4.6139E-05
10.00	2.5592E 00	6.8315E-05
15.00	2.6947E 00	1.2354E-04
20.00	2.7770E 00	2.0063E-04
30.00	2.8740E 00	6.9700E-04
50.00	2.9673E 00	1.2384E-02
75.00	3.0220E 00	7.5279E-02
100.00	3.0523E 00	1.9007E-01
150.00	3.0851E 00	4.8333E-01
200.00	3.1027E 00	7.7214E-01
300.00	3.1213E 00	1.2346E 00
400.00	3.1310E 00	1.5615E 00
500.00	3.1369E 00	1.7980E 00
750.00	3.1450E 00	2.1701E 00
1000.00	3.1492E 00	2.3641E 00
2000.00	3.1555E 00	2.7456E 00
3000.00	3.1576E 00	2.8779E 00
4000.00	3.1587E 00	2.9464E 00
5000.00	3.1593E 00	2.9883E 00
6000.00	3.1598E 00	3.0166E 00
7000.00	3.1601E 00	3.0369E 00
8000.00	3.1603E 00	3.0523E 00
9000.00	3.1605E 00	3.0643E 00
10000.00	3.1606E 00	3.0739E 00
INF	3.1619E 00	3.1619E 00

TABLE II.- VALUES OF $X(z_j; \tau_o)$ AND $Y(z_j; \tau_o)$ FOR NONCOHERENT SCATTERING WITH DOPPLER BROADENING; THE z_j ($j = 1, 2, \dots, 9$) ARE NODES OF THE GAUSSIAN QUADRATURE FORMULA GIVEN IN THE APPENDIX, VALUES OF THE MOMENTS α_n, β_n FOR $n = 0, 1$ AND ALSO β_{-1} APPEAR. VARIABLE RANGE AS IN TABLE I.

OMEGA = 0.10		TAU = 0.050		TAU = 0.100		TAU = 0.200		TAU = 0.300	
Z(j)	X(j)	Y(j)	Z(j)	X(j)	Y(j)	Z(j)	X(j)	Y(j)	Z(j)
0.0171	1.0025E 00	5.5110E-02	1.0026E 00	4.2061E-03	1.0026E 00	9.5172E-04	1.0026E 00	7.2105E-04	
0.0935	1.0095E 00	5.9092E-01	1.0072E 00	3.4946E-01	1.0086E 00	1.2370E-01	1.0090E 00	4.5256E-02	
0.2475	1.0061E 00	8.2297E-01	1.0092E 00	6.7618E-01	1.0127E 00	4.5648E-01	1.0144E 00	3.0854E-01	
0.5106	1.0063E 00	9.1297E-01	1.0099E 00	8.3177E-01	1.0147E 00	6.8947E-01	1.0175E 00	5.7105E-01	
0.9128	1.0065E 00	9.5310E-01	1.0103E 00	9.0636E-01	1.0156E 00	8.0821E-01	1.0192E 00	7.3772E-01	
1.6574	1.0065E 00	9.6787E-01	1.0106E 00	9.4886E-01	1.0162E 00	9.0218E-01	1.0203E 00	8.5389E-01	
3.4925	1.0066E 00	9.9234E-01	1.0107E 00	9.8238E-01	1.0167E 00	9.6081E-01	1.0210E 00	9.3829E-01	
9.2178	1.0068E 00	1.0012E 00	1.0107E 00	9.9992E-01	1.0189E 00	9.9393E-01	1.0214E 00	9.8928E-01	
48.0334	1.0066E 00	1.0056E 00	1.0108E 00	1.0087E 00	1.0170E 00	1.0128E 00	1.0217E 00	1.0154E 00	
N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	
-1	1.9044E 00		1.6682E 00		1.0633E 00		8.0898E-01		
0	1.0062E 00	8.7493E-01	1.0096E 00	7.9631E-01	1.0142E 00	6.7919E-01	1.0171E 00	5.9205E-01	
1	-1.3668E-04	-4.6472E-02	-4.1303E-04	-8.8170E-02	-1.1766E-03	-1.6162E-01	-2.0611E-03	-2.2500E-01	
TAU = 0.400		TAU = 0.500		TAU = 0.600		TAU = 0.800			
Z(j)	X(j)	Y(j)	Z(j)	X(j)	Y(j)	Z(j)	X(j)	Y(j)	Z(j)
0.0171	1.0026E 00	5.7950E-04	1.0026E 00	4.7976E-04	1.0026E 00	4.0474E-04	1.0026E 00	2.9878E-04	
0.0935	1.0091E 00	1.7751E-02	1.0091E 00	7.9139E-03	1.0091E 00	4.2455E-03	1.0091E 00	2.0699E-03	
0.2475	1.0153E 00	2.0895E-01	1.0159E 00	1.4200E-01	1.0161E 00	9.6164E-02	1.0164E 00	4.5984E-02	
0.5106	1.0194E 00	4.7283E-01	1.0204E 00	3.9148E-01	1.0216E 00	3.2417E-01	1.0227E 00	2.2243E-01	
0.9128	1.0202E 00	6.6468E-01	1.0236E 00	5.9859E-01	1.0251E 00	5.5890E-01	1.0270E 00	4.3650E-01	
1.6574	1.0233E 00	8.0705E-01	1.0271E 00	7.4051E-01	1.0305E 00	7.1269E-01	1.0325E 00	6.2555E-01	
3.4925	1.0244E 00	9.1547E-01	1.0271E 00	8.9264E-01	1.0293E 00	8.6998E-01	1.0326E 00	8.2553E-01	
9.2178	1.0250E 00	9.8229E-01	1.0279E 00	9.7473E-01	1.0304E 00	9.6678E-01	1.0342E 00	9.5001E-01	
48.0334	1.0254E 00	1.0170E 00	1.0284E 00	1.0180E 00	1.0309E 00	1.0184E 00	1.0350E 00	1.0183E 00	
N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	
-1	6.5455E-01		5.6610E-01		4.6027E-01		3.4098E-01		
0	1.0191E 00	5.2305E-01	1.0206E 00	4.6644E-01	1.0217E 00	4.1895E-01	1.0232E 00	3.4373E-01	
1	-2.9785E-03	-2.8065E-01	-3.8885E-03	-3.3004E-01	-4.7691E-03	-3.7426E-01	-6.4003E-03	-4.5017E-01	
TAU = 1.000		TAU = 1.500		TAU = 2.000		TAU = 2.500			
Z(j)	X(j)	Y(j)	Z(j)	X(j)	Y(j)	Z(j)	X(j)	Y(j)	Z(j)
0.0171	1.0026E 00	2.2803E-04	1.0026E 00	1.2724E-04	1.0026E 00	7.7331E-05	1.0026E 00	5.1598E-05	
0.0935	1.0091E 00	1.4322E-03	1.0091E 00	7.6894E-04	1.0091E 00	4.6127E-04	1.0091E 00	2.9472E-04	
0.2475	1.0165E 00	2.2493E-02	1.0166E 00	4.9333E-03	1.0166E 00	1.8087E-03	1.0166E 00	9.7037E-04	
0.5106	1.0239E 00	1.5284E-01	1.0239E 00	6.0641E-02	1.0239E 00	2.4505E-02	1.0239E 00	1.0335E-02	
0.9128	1.0282E 00	3.5335E-01	1.0296E 00	2.0811E-01	1.0303E 00	1.2256E-01	1.0302E 00	7.2226E-02	
1.6574	1.0329E 00	5.7266E-01	1.0364E 00	4.2784E-01	1.0395E 00	3.1895E-01	1.0361E 00	2.3747E-01	
3.4925	1.0351E 00	7.8258E-01	1.0387E 00	6.8290E-01	1.0405E 00	5.9456E-01	1.0415E 00	5.1699E-01	
9.2178	1.0370E 00	9.3274E-01	1.0415E 00	8.8644E-01	1.0440E 00	8.4443E-01	1.0454E 00	8.0167E-01	
48.0334	1.0380E 00	1.0171E 00	1.0430E 00	1.0117E 00	1.0459E 00	1.0042E 00	1.0477E 00	9.9563E-01	
N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	
-1	2.6086E-01		1.4612E-01		8.9013E-02		5.7514E-02		
0	1.0242E 00	2.8709E-01	1.0253E 00	1.9400E-01	1.0258E 00	1.3945E-01	1.0260E 00	1.0559E-01	
1	-7.8364E-03	-5.1302E-01	-1.0634E-02	-6.3110E-01	-1.2556E-02	-7.1342E-01	-1.3890E-02	-7.7414E-01	
TAU = 3.000		TAU = 3.500		TAU = 4.000		TAU = 4.500			
Z(j)	X(j)	Y(j)	Z(j)	X(j)	Y(j)	Z(j)	X(j)	Y(j)	Z(j)
0.0171	1.0026E 00	3.3727E-05	1.0026E 00	2.3037E-05	1.0026E 00	1.7177E-05	1.0026E 00	1.3016E-05	
0.0935	1.0091E 00	1.9781E-04	1.0091E 00	1.3838E-04	1.0091E 00	1.0033E-04	1.0091E 00	7.5080E-05	
0.2475	1.0166E 00	6.1521E-04	1.0166E 00	4.1969E-04	1.0166E 00	2.9942E-04	1.0166E 00	2.2121E-04	
0.5106	1.0239E 00	4.6323E-03	1.0239E 00	2.2598E-03	1.0239E 00	1.2226E-03	1.0239E 00	7.3685E-04	
0.9128	1.0303E 00	4.2710E-02	1.0303E 00	2.5336E-02	1.0303E 00	1.5110E-02	1.0303E 00	9.0778E-03	
1.6574	1.0363E 00	1.7668E-01	1.0364E 00	1.3139E-01	1.0365E 00	9.7696E-02	1.0365E 00	7.2640E-02	
3.4925	1.0421E 00	4.4917E-01	1.0424E 00	3.9005E-01	1.0426E 00	3.3859E-01	1.0428E 00	2.9385E-01	
9.2178	1.0446E 00	7.6055E-01	1.0470E 00	7.2123E-01	1.0474E 00	6.8375E-01	1.0477E 00	6.4809E-01	
48.0334	1.0489E 00	9.9636E-01	1.0497E 00	9.7720E-01	1.0502E 00	9.6769E-01	1.0506E 00	9.5813E-01	
N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	
-1	3.0951E-02		2.7457E-02		2.0043E-02		1.5084E-02		
0	1.0262E 00	8.3073E-02	1.0262E 00	6.7529E-02	1.0263E 00	5.6366E-02	1.0263E 00	4.8130E-02	
1	-1.4836E-02	-8.2095E-01	-1.5523E-02	-8.5839E-01	-1.6036E-02	-8.8923E-01	-1.6429E-02	-9.1527E-01	

OMEGA = 0.10												
TAU = 5.000			TAU = 7.500			TAU = 10.00			TAU = 15.00			
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)		
0.0171	1.0026E 00	1.0059E-05	1.0026E 00	3.7504E-06	1.0026E 00	1.9058E-06	1.0026E 00	7.5444E-07				
0.0935	1.0091E 00	5.7762E-05	1.0091E 00	2.1212E-05	1.0091E 00	1.0715E-05	1.0091E 00	4.2441E-06				
0.2475	1.0166E 00	1.6837E-04	1.0166E 00	5.9728E-05	1.0166E 00	2.9677E-05	1.0166E 00	1.1587E-05				
0.5106	1.0239E 00	4.6898E-04	1.0239E 00	1.3961E-04	1.0239E 00	6.6468E-05	1.0239E 00	2.5168E-05				
0.9128	1.0303E 00	5.5094E-03	1.0303E 00	6.1218E-04	1.0303E 00	1.5854E-04	1.0303E 00	4.9046E-05				
1.6574	1.0366E 00	5.4017E-02	1.0366E 00	1.2376E-02	1.0366E 00	2.9301E-03	1.0366E 00	2.3664E-04				
3.4925	1.0429E 00	2.5497E-01	1.0430E 00	1.2526E-01	1.0431E 00	6.1502E-02	1.0431E 00	1.4869E-02				
9.2178	1.0479E 00	6.1421E-01	1.0484E 00	4.6911E-01	1.0485E 00	3.5803E-01	1.0486E 00	2.0841E-01				
48.0334	1.0510E 00	9.4855E-01	1.0518E 00	9.0136E-01	1.0521E 00	8.5604E-01	1.0524E 00	7.7176E-01				
N ALPHA(N) BETA(N) ALPHA(N) BETA(N) ALPHA(N) BETA(N) ALPHA(N) BETA(N)												
-1	1.0263E 00	1.41833E-02	1.0263E 00	2.4838E-02	1.0263E 00	1.7454E-02	1.0263E 00	1.0788E-02				
0												
1	-1.6736E-02	-9.3770E-01	-1.7609E-02	-1.0176E 00	-1.8015E-02	-1.0644E 00	-1.8401E-02	-1.1375E 00				
TAU = 20.00			TAU = 25.00			TAU = 30.00			TAU = 40.00			
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)		
0.0171	1.0026E 00	1.2470E-06	1.0026E 00	3.0241E-07	1.0026E 00	1.6416E-07	1.0026E 00	4.3529E-08				
0.0935	1.0091E 00	2.2346E-06	1.0091E 00	1.3686E-06	1.0091E 00	9.1928E-07	1.0091E 00	5.0084E-07				
0.2475	1.0166E 00	6.0637E-06	1.0166E 00	3.6983E-06	1.0166E 00	2.4779E-06	1.0166E 00	1.3452E-06				
0.5106	1.0239E 00	1.3007E-05	1.0239E 00	7.8768E-06	1.0239E 00	5.2536E-06	1.0239E 00	2.8344E-06				
0.9128	1.0303E 00	2.4673E-05	1.0303E 00	1.4752E-05	1.0303E 00	9.7628E-06	1.0303E 00	5.2132E-06				
1.6574	1.0366E 00	5.7254E-05	1.0366E 00	2.9705E-05	1.0366E 00	1.9093E-05	1.0366E 00	9.9594E-06				
3.4925	1.0431E 00	3.6354E-03	1.0431E 00	9.1665E-04	1.0431E 00	2.5023E-04	1.0431E 00	3.5766E-05				
9.2178	1.0487E 00	1.2128E-01	1.0487E 00	7.0577E-02	1.0487E 00	4.1076E-02	1.0487E 00	1.3925E-02				
48.0334	1.0525E 00	6.9563E-01	1.0526E 00	6.2895E-01	1.0526E 00	5.6503E-01	1.0527E 00	4.5890E-01				
N ALPHA(N) BETA(N) ALPHA(N) BETA(N) ALPHA(N) BETA(N) ALPHA(N) BETA(N)												
-1												
0	1.0263E 00	7.7275E-03	1.0263E 00	5.9847E-03	1.0263E 00	4.8657E-03	1.0263E 00	3.5136E-03				
1	-1.8588E-02	-1.1830E 00	-1.8699E-02	-1.2169E 00	-1.8771E-02	-1.2439E 00	-1.8801E-02	-1.2651E 00				
TAU = 50.00			TAU = 75.00			TAU = 100.0			TAU = 200.0			
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)		
0.0171	1.0026E 00	5.9368E-08	1.0026E 00	1.0447E-07	1.0026E 00	2.4682E-08	1.0026E 00	6.9335E-08				
0.0935	1.0091E 00	3.2677E-07	1.0091E 00	1.6417E-07	1.0091E 00	9.5639E-08	1.0091E 00	1.1778E-08				
0.2475	1.0166E 00	8.7573E-07	1.0166E 00	4.3932E-07	1.0166E 00	2.5578E-07	1.0166E 00	3.1720E-08				
0.5106	1.0239E 00	1.8378E-06	1.0239E 00	9.1865E-07	1.0239E 00	5.3452E-07	1.0239E 00	6.6408E-08				
0.9128	1.0303E 00	3.3578E-06	1.0303E 00	1.6683E-06	1.0303E 00	9.6987E-07	1.0303E 00	1.2057E-07				
1.6574	1.0366E 00	6.3259E-06	1.0366E 00	3.1029E-06	1.0366E 00	1.8006E-06	1.0366E 00	2.2398E-07				
3.4925	1.0431E 00	1.5368E-05	1.0431E 00	6.8994E-06	1.0431E 00	3.9785E-06	1.0431E 00	4.3442E-07				
9.2178	1.0487E 00	4.7320E-03	1.0487E 00	3.3324E-04	1.0487E 00	3.2912E-05	1.0487E 00	1.5060E-05				
48.0334	1.0527E 00	3.7269E-01	1.0527E 00	2.2152E-01	1.0527E 00	1.3166E-01	1.0527E 00	1.6429E-02				
N ALPHA(N) BETA(N) ALPHA(N) BETA(N) ALPHA(N) BETA(N) ALPHA(N) BETA(N)												
-1												
0	1.0263E 00	2.7076E-03	1.0263E 00	1.5544E-03	1.0263E 00	9.2421E-04	1.0263E 00	1.1477E-04				
1	-1.8916E-02	-1.3159E 00	-1.8998E-02	-1.3675E 00	-1.9044E-02	-1.3978E 00	-1.9104E-02	-1.4355E 00				
TAU = 223.9												
Z(J)	X(J)	Y(J)			U(J)	Z(J)	H(J)					
0.0171	1.0026E 00	0.0000E-39			1.6768E-02	1.7054E-02	3.1237E-02					
0.0935	1.0091E 00	7.2523E-09			8.5547E-02	9.3550E-02	7.8757E-02					
0.2475	1.0166E 00	1.9367E-08			1.9838E-01	2.4748E-01	1.4267E-01					
0.5106	1.0239E 00	4.0458E-08			3.3801E-01	5.1059E-01	2.3480E-01					
0.9128	1.0303E 00	7.3391E-08			4.7721E-01	9.1280E-01	3.0771E-01					
1.6574	1.0366E 00	1.3621E-07			6.2369E-01	1.4574E 00	1.2427E-01					
3.4925	1.0431E 00	3.0071E-07			7.7741E-01	3.4925E 00	5.1584E-02					
9.2178	1.0487E 00	9.1557E-07			9.0213E-01	9.2178E 00	2.1997E-02					
48.0334	1.0527E 00	9.9896E-03			9.7961E-01	4.0033E 01	6.9770E-03					
N ALPHA(V) BETA(N)												
-1												
0	1.0263E 00	6.9786E-05										
1	-1.9108E-02	-1.4386E 00										

OMEGA = 0.20										
TAU = 0.050			TAU = 0.100			TAU = 0.200			TAU = 0.300	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)
0.0171	1.0051E 00	5.6953E-02	1.0053E 00	5.6135E-03	1.0053E 00	1.4945E-03	1.0053E 00	1.4945E-03	1.0053E 00	1.4945E-03
0.0935	1.0107E 00	5.9594E-01	1.0146E 00	3.5571E-01	1.0175E 00	1.2978E-01	1.0183E 00	5.0347E-02	1.0183E 00	5.0347E-02
0.2475	1.0122E 00	8.2896E-01	1.0186E 00	6.8498E-01	1.0258E 00	4.6776E-01	1.0295E 00	3.2020E-01		
0.5106	1.0128E 00	9.1932E-01	1.0201E 00	8.4165E-01	1.0299E 00	7.0561E-01	1.0300E 00	5.8729E-01		
0.9128	1.0130E 00	9.5960E-01	1.0209E 00	9.1673E-01	1.0319E 00	8.3381E-01	1.0394E 00	7.5655E-01		
1.6574	1.0131E 00	9.8337E-01	1.0213E 00	9.6253E-01	1.0331E 00	9.1870E-01	1.0416E 00	8.7442E-01		
3.4925	1.0132E 00	9.9899E-01	1.0216E 00	9.9325E-01	1.0340E 00	9.7795E-01	1.0432E 00	9.6002E-01		
9.2178	1.0133E 00	1.0079E 00	1.0217E 00	1.0109E 00	1.0345E 00	1.0129E 00	1.0440E 00	1.0117E 00		
48.0334	1.0133E 00	1.0123E 00	1.0218E 00	1.0197E 00	1.0347E 00	1.0305E 00	1.0445E 00	1.0382E 00		
N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)		
-1	1.0124E 00	1.9212E 00	1.0195E 00	1.4901E 00	1.0289E 00	1.0730E 00	1.0351E 00	8.3714E-01		
0		8.8108E-01		6.0582E-01		6.9288E-01		6.0807E-01		
1	-2.7562E-04	-4.6650E-02	-8.3796E-04	-8.8749E-02	-2.4106E-03	-1.6339E-01	-4.2566E-03	-2.2830E-01		
TAU = 0.400			TAU = 0.500			TAU = 0.600			TAU = 0.800	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)
0.0171	1.0053E 00	1.2105E-03	1.0053E 00	1.0095E-03	1.0053E 00	8.5733E-04	1.0053E 00	6.4053E-04		
0.0935	1.0186E 00	2.1928E-02	1.0187E 00	1.1376E-02	1.0187E 00	7.1599E-03	1.0188E 00	4.2212E-03		
0.2475	1.0315E 00	2.2012E-01	1.0327E 00	1.5222E-01	1.0334E 00	1.0608E-01	1.0340E 00	5.3143E-02		
0.5106	1.0401E 00	4.8993E-01	1.0429E 00	4.0986E-01	1.0449E 00	3.4097E-01	1.0473E 00	2.3770E-01		
0.9128	1.0449E 00	6.8548E-01	1.0490E 00	6.2054E-01	1.0521E 00	5.6139E-01	1.0564E 00	4.5887E-01		
1.6574	1.0481E 00	8.3037E-01	1.0531E 00	7.8858E-01	1.0572E 00	7.4780E-01	1.0632E 00	6.7119E-01		
3.4925	1.0503E 00	9.4072E-01	1.0561E 00	9.2064E-01	1.0610E 00	9.0016E-01	1.0664E 00	8.5877E-01		
9.2178	1.0517E 00	1.0087E 00	1.0580E 00	1.0043E 00	1.0632E 00	9.9905E-01	1.0716E 00	9.8651E-01		
48.0334	1.0524E 00	1.0404E 00	1.0589E 00	1.0484E 00	1.0644E 00	1.0518E 00	1.0733E 00	1.0564E 00		
N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)		
-1	1.0394E 00	6.8271E-01	1.0426E 00	4.8444E-01	1.0450E 00	4.8670E-01	1.0484E 00	3.6488E-01		
0		5.4038E-01		4.8444E-01		4.3721E-01		3.6172E-01		
1	-6.1941E-03	-2.8564E-01	-8.1359E-03	-3.3685E-01	-1.6033E-02	-3.8291E-01	-1.3591E-02	-4.6254E-01		
TAU = 1.000			TAU = 1.500			TAU = 2.000			TAU = 2.500	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)
0.0171	1.0053E 00	4.9407E-04	1.0054E 00	2.8178E-04	1.0054E 00	1.7416E-04	1.0054E 00	1.1379E-04		
0.0935	1.0188E 00	3.0826E-03	1.0188E 00	1.7084E-03	1.0188E 00	1.0432E-03	1.0188E 00	6.7568E-04		
0.2475	1.0343E 00	2.8161E-02	1.0345E 00	8.0868E-03	1.0345E 00	3.6968E-03	1.0345E 00	2.1748E-03		
0.5106	1.0486E 00	1.6618E-01	1.0498E 00	6.9272E-02	1.0501E 00	3.0127E-02	1.0502E 00	1.3942E-02		
0.9128	1.0591E 00	3.7465E-01	1.0623E 00	2.2517E-01	1.0634E 00	1.3531E-01	1.0639E 00	8.1506E-02		
1.6574	1.0673E 00	6.0132E-01	1.0730E 00	4.5449E-01	1.0755E 00	3.4197E-01	1.0767E 00	2.5665E-01		
3.4925	1.0738E 00	8.1765E-01	1.0820E 00	7.1928E-01	1.0864E 00	6.2975E-01	1.0868E 00	5.4984E-01		
9.2178	1.0779E 00	9.7216E-01	1.0881E 00	9.3210E-01	1.0940E 00	8.8965E-01	1.0975E 00	8.4700E-01		
48.0334	1.0801E 00	1.0589E 00	1.0915E 00	1.0595E 00	1.0982E 00	1.0555E 00	1.1025E 00	1.0490E 00		
N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)		
-1		2.8209E-01		1.6144E-01		1.0002E-01		6.5457E-02		
0	1.0506E 00	3.0425E-01	1.0533E 00	2.0833E-01	1.0544E 00	1.5124E-01	1.0550E 00	1.4493E-01		
1	-6.6771E-02	-5.2899E-01	-2.3098E-02	-6.5513E-01	-2.7555E-02	-7.4404E-01	-3.0706E-02	-8.1006E-01		
TAU = 3.000			TAU = 3.500			TAU = 4.000			TAU = 4.500	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)
0.0171	1.0054E 00	7.8125E-05	1.0054E 00	5.5011E-05	1.0054E 00	4.0359E-05	1.0054E 00	3.0435E-05		
0.0935	1.0188E 00	4.5818E-04	1.0188E 00	3.2291E-04	1.0188E 00	2.3533E-04	1.0188E 00	1.7666E-04		
0.2475	1.0345E 00	1.4225E-03	1.0345E 00	9.8305E-03	1.0345E 00	7.0624E-04	1.0345E 00	5.2393E-04		
0.5106	1.0502E 00	6.9988E-03	1.0502E 00	3.8594E-03	1.0502E 00	2.3393E-03	1.0502E 00	1.5419E-03		
0.9128	1.0641E 00	4.9315E-02	1.0641E 00	3.0040E-02	1.0642E 00	1.8471E-02	1.0642E 00	1.1500E-02		
1.6574	1.0774E 00	1.9231E-01	1.0777E 00	1.4397E-01	1.0778E 00	1.0773E-01	1.0779E 00	8.0612E-02		
3.4925	1.0902E 00	4.7924E-01	1.0910E 00	4.1722E-01	1.0915E 00	3.6295E-01	1.0919E 00	3.1556E-01		
9.2178	1.0997E 00	8.0518E-01	1.1012E 00	7.6469E-01	1.1022E 00	7.2577E-01	1.1030E 00	6.8854E-01		
48.0334	1.1053E 00	1.0411E 00	1.1073E 00	1.0324E 00	1.1087E 00	1.0232E 00	1.1097E 00	1.0138E 00		
N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)		
-1		4.4762E-02		3.1773E-02		2.3301E-02		1.7588E-02		
0	1.0553E 00	9.6053E-02	1.0554E 00	7.3754E-02	1.0555E 00	6.1567E-02	1.0556E 00	5.2505E-02		
1	-3.2972E-02	-8.6116E-01	-3.4637E-02	-9.0204E-01	-3.5888E-02	-9.3581E-01	-3.6851E-02	-9.6425E-01		

OMEGA = 0.20		TAU = 5.000		TAU = 7.500		TAU = 10.00		TAU = 15.00	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	
0.0171	1.0054E 00	2.2028E-05	1.0054E 00	8.7435E-06	1.0054E 00	5.5613E-06	1.0054E 00	2.6301E-06	
0.0935	1.0188E 00	1.3615E-04	1.0188E 00	4.9856E-05	1.0188E 00	2.5015E-05	1.0188E 00	9.8239E-06	
0.2475	1.0345E 00	3.9971E-04	1.0345E 00	1.4156E-04	1.0345E 00	6.9874E-05	1.0345E 00	2.7045E-05	
0.5106	1.0503E 00	1.0872E-03	1.0503E 00	3.3314E-04	1.0503E 00	1.5787E-04	1.0503E 00	5.9239E-05	
0.9128	1.0642E 00	7.2771E-03	1.0642E 00	1.0871E-03	1.0642E 00	3.5500E-04	1.0642E 00	1.1624E-04	
1.6574	1.0780E 00	6.0334E-02	1.0781E 00	1.4379E-02	1.0781E 00	3.6439E-03	1.0781E 00	4.0119E-04	
3.4925	1.0921E 00	2.7426E-01	1.0926E 00	1.3559E-01	1.0926E 00	6.6952E-02	1.0927E 00	1.6417E-02	
9.2178	1.1035E 00	6.5302E-01	1.1047E 00	4.9987E-01	1.1051E 00	3.8199E-01	1.1054E 00	2.2273E-01	
48.0334	1.1105E 00	1.0041E 00	1.1126E 00	9.5545E-01	1.1134E 00	9.0797E-01	1.1141E 00	8.1905E-01	

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		1.3617E-02		5.0718E-03		2.5693E-03		1.0181E-03
0	1.0556E 00	4.5578E-02	1.0557E 00	2.6880E-02	1.0557E 00	1.8802E-02	1.0557E 00	1.1656E-02
1	-3.7607E-02	-9.8873E-01	-3.9757E-02	-1.0756E 00	-4.0753E-02	-1.1316E 00	-4.1696E-02	-1.2047E 00

TAU = 20.00		TAU = 25.00		TAU = 30.00		TAU = 40.00		
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)
0.0171	1.0054E 00	6.7604E-06	1.0054E 00	0.0000E-39	1.0054E 00	3.7578E-07	1.0054E 00	0.0000E-39
0.0935	1.0188E 00	5.1324E-06	1.0188E 00	3.1590E-06	1.0188E 00	2.1095E-06	1.0188E 00	1.1443E-06
0.2475	1.0345E 00	1.4047E-05	1.0345E 00	8.5896E-06	1.0345E 00	5.7336E-06	1.0345E 00	3.1044E-06
0.5106	1.0503E 00	3.0456E-05	1.0503E 00	1.8411E-05	1.0503E 00	1.2250E-05	1.0503E 00	6.5920E-06
0.9128	1.0642E 00	9.6213E-05	1.0642E 00	3.4724E-05	1.0642E 00	2.2927E-05	1.0642E 00	1.2209E-05
1.6574	1.0781E 00	1.2820E-04	1.0781E 00	7.0046E-05	1.0781E 00	4.5147E-05	1.0781E 00	1.3490E-05
3.4925	1.0927E 00	4.1213E-03	1.0927E 00	1.0995E-03	1.0927E 00	3.3710E-04	1.0927E 00	7.0298E-05
9.2178	1.1055E 00	1.2978E-01	1.1054E 00	7.5623E-02	1.1055E 00	4.0752E-02	1.1055E 00	1.4998E-02
48.0334	1.1144E 00	7.3847E-01	1.1145E 00	6.6596E-01	1.1146E 00	6.0002E-01	1.1147E 00	4.8741E-01

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		5.4590E-04		3.2644E-04		2.1983E-04		1.1923E-04
0	1.0557E 00	8.2634E-03	1.0557E 00	6.3899E-03	1.0557E 00	5.1698E-03	1.0557E 00	3.7430E-03
1	-4.2149E-02	-1.2534E 00	-4.2415E-02	-1.2697E 00	-4.2590E-02	-1.3105E 00	-4.2807E-02	-1.3562E 00

TAU = 50.00		TAU = 75.00		TAU = 100.0		TAU = 200.0		
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)
0.0171	1.0054E 00	1.3321E-07	1.0054E 00	6.7696E-08	1.0054E 00	6.2291E-08	1.0054E 00	0.0000E-39
0.0935	1.0188E 00	7.4627E-07	1.0188E 00	3.7449E-07	1.0188E 00	2.1792E-07	1.0188E 00	4.2745E-08
0.2475	1.0345E 00	2.0159E-06	1.0345E 00	1.0095E-06	1.0345E 00	5.8744E-07	1.0345E 00	9.7079E-08
0.5106	1.0503E 00	4.2644E-06	1.0503E 00	2.1274E-06	1.0503E 00	1.2374E-06	1.0503E 00	1.6773E-07
0.9128	1.0642E 00	7.8465E-06	1.0642E 00	3.8903E-06	1.0642E 00	2.2610E-06	1.0642E 00	2.9516E-07
1.6574	1.0781E 00	1.4887E-05	1.0781E 00	7.2853E-06	1.0781E 00	4.2286E-06	1.0781E 00	5.3991E-07
3.4925	1.0927E 00	3.5611E-05	1.0927E 00	1.6319E-05	1.0927E 00	9.4066E-06	1.0927E 00	1.1840E-06
9.2178	1.1055E 00	5.1311E-03	1.1055E 00	3.8607E-04	1.1055E 00	5.1298E-05	1.1055E 00	3.5997E-06
48.0334	1.1148E 00	3.9590E-01	1.1148E 00	2.3537E-01	1.1148E 00	1.3993E-01	1.1148E 00	1.7479E-02

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		7.8033E-05		3.9208E-05		2.2871E-05		2.3862E-06
0	1.0557E 00	2.8825E-03	1.0557E 00	1.0543E-03	1.0557E 00	9.7953E-04	1.0557E 00	1.2230E-04
1	-4.2939E-02	-1.3952E 00	-4.3135E-02	-1.4502E 00	-4.3245E-02	-1.4d24E 00	-4.3389E-02	-1.3235E 00

TAU = 226.9		U(J)		Z(J)		H(J)	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	
0.0171	1.0054E 00	4.3941E-08	1.6768E-02	1.7054E-02	3.1237E-02		
0.0935	1.0188E 00	1.5373E-08	8.5547E-02	9.3550E-02	7.8757E-02		
0.2475	1.0345E 00	4.1717E-08	1.9838E-01	2.4748E-01	1.4267E-01		
0.5106	1.0503E 00	8.8023E-08	3.3801E-01	5.1059E-01	2.3480E-01		
0.9128	1.0642E 00	1.6093E-07	4.7721E-01	9.1280E-01	3.0771E-01		
1.6574	1.0781E 00	3.0068E-07	6.2369E-01	1.6574E 00	1.2427E-01		
3.4925	1.0927E 00	6.6923E-07	7.7741E-01	3.4925E 00	5.1584E-02		
9.2178	1.1055E 00	2.0506E-06	9.0213E-01	9.2178E 00	2.1997E-02		
48.0334	1.1148E 00	9.9970E-03	9.7961E-01	4.8033E 01	6.9770E-03		

N	ALPHA(N)	BETA(N)
-1		1.7016E-06
0	1.0557E 00	6.9945E-05
1	-4.3398E-02	-1.5261E 00

OMEGA = 0.30										
TAU = 0.050			TAU = 0.100			TAU = 0.200			TAU = 0.300	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)
0.0171	1.0077E 00	5.8824E-02	1.0080E 00	7.0644E-03	1.0080E 00	2.9922E-03	1.0081E 00	2.3237E-03		
0.0335	1.0161E 00	6.0104E-01	1.0222E 00	3.6213E-01	1.0267E 00	1.3614E-01	1.0280E 00	5.5785E-02		
0.2475	1.0185E 00	6.3506E-01	1.0282E 00	6.9402E-01	1.0305E 00	4.7954E-01	1.0454E 00	3.3258E-01		
0.5106	1.0193E 00	6.3757E-01	1.0304E 00	8.5179E-01	1.0458E 00	7.1836E-01	1.0554E 00	6.0449E-01		
0.9128	1.0196E 00	9.4620E-01	1.0317E 00	9.2738E-01	1.0488E 00	8.5500E-01	1.0608E 00	7.7665E-01		
1.6574	1.0199E 00	9.9006E-01	1.0323E 00	9.7348E-01	1.0508E 00	9.3592E-01	1.0642E 00	8.9611E-01		
3.4925	1.0200E 00	1.0005E 00	1.0328E 00	1.0044E 00	1.0521E 00	9.9583E-01	1.0665E 00	9.8298E-01		
9.2178	1.0201E 00	1.0146E 00	1.0330E 00	1.0222E 00	1.0528E 00	1.0311E 00	1.0679E 00	1.0354E 00		
48.0334	1.0201E 00	1.0191E 00	1.0331E 00	1.0311E 00	1.0532E 00	1.0490E 00	1.0686E 00	1.0623E 00		
N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		1.9382E 00		1.5127E 00		1.0101E 00			8.6701E-01	
0	1.0188E 00	8.8733E-01	1.0296E 00	8.1558E-01	1.0443E 00	7.0716E-01	1.0540E 00	6.2502E-01		
1	-4.1691E-04	-4.6831E-02	-1.2754E-03	-8.9341E-02	-3.7058E-03	-1.6524E-01	-6.5986E-03	-2.3175E-01		
TAU = 0.400			TAU = 0.500			TAU = 0.600			TAU = 0.800	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)
0.0171	1.0081E 00	1.8988E-03	1.0081E 00	1.5957E-03	1.0081E 00	1.3649E-03	1.0082E 00	1.0331E-03		
0.0335	1.0285E 00	2.3470E-02	1.0387E 00	1.5201E-02	1.0288E 00	1.0428E-02	1.0289E 00	6.6968E-03		
0.2475	1.0487E 00	2.3211E-01	1.0506E 00	1.6339E-01	1.0518E 00	1.1626E-01	1.0529E 00	6.1374E-02		
0.5106	1.0620E 00	5.0826E-01	1.0666E 00	4.2732E-01	1.0699E 00	3.5940E-01	1.0740E 00	2.5478E-01		
0.9128	1.0695E 00	7.0774E-01	1.0761E 00	6.4442E-01	1.0813E 00	5.8594E-01	1.0885E 00	4.8372E-01		
1.6574	1.0745E 00	8.5585E-01	1.0827E 00	8.1601E-01	1.0894E 00	7.7703E-01	1.0994E 00	7.0257E-01		
3.4925	1.0780E 00	9.6763E-01	1.0874E 00	9.5084E-01	1.0953E 00	9.3298E-01	1.1077E 00	8.9548E-01		
9.2178	1.0801E 00	1.0368E 00	1.0903E 00	1.0326E 00	1.0989E 00	1.0341E 00	1.1128E 00	1.0267E 00		
48.0334	1.0812E 00	1.0727E 00	1.0918E 00	1.0812E 00	1.1008E 00	1.0881E 00	1.1156E 00	1.0984E 00		
N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		7.1298E-01		6.0167E-01		5.1577E-01			3.9165E-01	
0	1.0610E 00	5.5894E-01	1.0662E 00	5.0393E-01	1.0702E 00	4.5716E-01	1.0759E 00	3.8173E-01		
1	-9.6725E-03	-2.9094E-01	-1.2787E-02	-3.4411E-01	-1.5861E-02	-3.9223E-01	-2.1706E-02	-4.7602E-01		
TAU = 1.000			TAU = 1.500			TAU = 2.000			TAU = 2.500	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)
0.0171	1.0082E 00	8.0615E-04	1.0082E 00	4.7107E-04	1.0082E 00	2.9681E-04	1.0082E 00	1.9693E-04		
0.0335	1.0290E 00	5.0251E-03	1.0291E 00	2.8654E-03	1.0291E 00	1.7852E-03	1.0291E 00	1.1749E-03		
0.2475	1.0534E 00	3.4741E-02	1.0538E 00	1.1940E-02	1.0539E 00	6.0988E-03	1.0539E 00	3.7558E-03		
0.5106	1.0763E 00	1.8138E-01	1.0785E 00	7.9747E-02	1.0791E 00	3.7073E-02	1.0793E 00	1.8554E-02		
0.9128	1.0931E 00	3.9868E-01	1.0988E 00	2.4509E-01	1.1009E 00	1.5063E-01	1.1018E 00	9.2889E-02		
1.6574	1.1063E 00	6.3348E-01	1.1163E 00	4.8522E-01	1.1209E 00	3.6912E-01	1.1231E 00	2.7965E-01		
3.4925	1.1168E 00	8.5686E-01	1.1311E 00	7.6095E-01	1.1388E 00	6.7075E-01	1.1432E 00	5.8863E-01		
9.2178	1.1235E 00	1.0161E 00	1.1412E 00	9.8192E-01	1.1515E 00	9.4204E-01	1.1579E 00	9.0010E-01		
48.0334	1.1270E 00	1.1055E 00	1.1466E 00	1.1140E 00	1.1586E 00	1.1148E 00	1.1663E 00	1.1113E 00		
N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		3.0628E-01		1.7958E-01		1.1338E-01			7.5332E-02	
0	1.0796E 00	3.2363E-01	1.0844E 00	2.2501E-01	1.0865E 00	1.6504E-01	1.0875E 00	1.2624E-01		
1	-2.7017E-02	-5.4657E-01	-3.7832E-02	-6.8211E-01	-4.5668E-02	-7.7892E-01	-5.1330E-02	-8.5142E-01		
TAU = 3.000			TAU = 3.500			TAU = 4.000			TAU = 4.500	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)
0.0171	1.0082E 00	1.3197E-04	1.0082E 00	9.7325E-05	1.0082E 00	7.1752E-05	1.0082E 00	5.4341E-05		
0.0335	1.0291E 00	8.0663E-04	1.0291E 00	5.7381E-04	1.0291E 00	4.2103E-04	1.0291E 00	3.1753E-04		
0.2475	1.0540E 00	2.5080E-03	1.0540E 00	1.7544E-03	1.0540E 00	1.2708E-03	1.0540E 00	9.4808E-04		
0.5106	1.0794E 00	1.0116E-02	1.0794E 00	6.0201E-03	1.0794E 00	3.8785E-03	1.0794E 00	2.6686E-03		
0.9128	1.1021E 00	5.7643E-02	1.1023E 00	3.6102E-02	1.1023E 00	2.2892E-02	1.1024E 00	1.4746E-02		
1.6574	1.1243E 00	2.1135E-01	1.1249E 00	1.5950E-01	1.1252E 00	1.2028E-01	1.1254E 00	9.0696E-02		
3.4925	1.1458E 00	5.1512E-01	1.1475E 00	4.4993E-01	1.1485E 00	3.9249E-01	1.1491E 00	3.4205E-01		
9.2178	1.1621E 00	8.5789E-01	1.1648E 00	8.1634E-01	1.1668E 00	7.7597E-01	1.1681E 00	7.3704E-01		
48.0334	1.1716E 00	1.1053E 00	1.1752E 00	1.0977E 00	1.1779E 00	1.0891E 00	1.1798E 00	1.0800E 00		
N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		5.2114E-02		3.7324E-02		2.7545E-02			2.0880E-02	
0	1.0890E 00	9.9957E-02	1.0883E 00	8.1467E-02	1.0885E 00	6.8033E-02	1.0886E 00	5.7989E-02		
1	-5.5472E-02	-9.0782E-01	-5.8554E-02	-9.5311E-01	-6.0894E-02	-9.9046E-01	-6.2705E-02	-1.0220E 00		

OMEGA = 0.30

TAU = 5.000			TAU = 7.500			TAU = 10.00			TAU = 15.00		
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	
0.0171	1.0082E 00	4.1420E-05	1.0082E 00	1.5814E-05	1.0082E 00	7.8695E-06	1.0082E 00	2.9782E-06	1.0082E 00	1.7423E-05	
0.0935	1.0291E 00	2.4541E-04	1.0291E 00	8.0912E-05	1.0291E 00	4.4794E-05	1.0291E 00	1.0291E 00	1.0291E 00	4.8378E-05	
0.2475	1.0540E 00	7.5589E-04	1.0540E 00	2.5746E-04	1.0540E 00	1.2244E-04	1.0540E 00	4.0344E-04	1.0540E 00	1.0344E-04	
0.5106	1.0794E 00	1.9336E-03	1.0794E 00	6.1103E-04	1.0794E 00	2.8791E-04	1.0794E 00	1.0244E-04	1.0794E 00	2.1644E-04	
0.9128	1.1024E 00	9.6854E-03	1.1024E 00	1.7673E-03	1.1024E 00	6.3812E-04	1.1024E 00	6.3622E-03	1.1024E 00	6.3619E-04	
1.6574	1.1255E 00	6.8410E-02	1.1257E 00	1.7058E-02	1.1257E 00	7.3854E-03	1.1257E 00	1.1507E 00	1.1507E 00	1.8427E-02	
3.4925	1.1496E 00	2.9790E-01	1.1504E 00	1.4850E-01	1.1506E 00	7.3854E-02	1.1506E 00	1.1727E 00	1.1727E 00	2.4031E-01	
9.2178	1.1691E 00	6.9970E-01	1.1715E 00	9.3723E-01	1.1722E 00	4.1124E-01	1.1722E 00	1.1881E 00	1.1881E 00	8.7617E-01	
48.0334	1.1813E 00	1.0704E 00	1.1892E 00	1.0204E 00	1.1868E 00	9.7052E-01	1.1868E 00		1.1868E 00		

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		1.6210E-02		6.0324E-03		3.0290E-03		1.0889E 00	1.1891E-03	
0	1.0889E 00	5.0286E-02	1.0889E 00	2.9449E-02	1.0889E 00	2.0488E-02	1.0889E 00	1.2527E-02		
1	-6.4135E-02	-1.0490E 00	-6.8219E-02	-1.1447E 00	-7.0104E-02	-1.2059E 00	-7.1878E-02	-1.2855E 00		

TAU = 20.00			TAU = 25.00			TAU = 30.00			TAU = 40.00		
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	
0.0171	1.0082E 00	1.6090E-06	1.0082E 00	0.0000E-39	1.0082E 00	6.7278E-07	1.0082E 00	3.5675E-07	1.0082E 00	2.0027E-06	
0.0935	1.0291E 00	9.0902E-06	1.0291E 00	5.5410E-06	1.0291E 00	3.6990E-06	1.0291E 00	4.0271E-06	1.0291E 00	5.4495E-06	
0.2475	1.0504E 00	2.5071E-05	1.0504E 00	1.5204E-05	1.0504E 00	1.0138E-05	1.0504E 00	1.2861E-05	1.0504E 00	1.1721E-05	
0.5106	1.0794E 00	5.4702E-05	1.0794E 00	3.2926E-05	1.0794E 00	2.1861E-05	1.0794E 00	4.1245E-05	1.0794E 00	2.1885E-05	
0.9128	1.1024E 00	1.0504E-04	1.1024E 00	6.2610E-05	1.1024E 00	1.2717E-04	1.1024E 00	8.1892E-05	1.1024E 00	4.2457E-05	
1.6574	1.1257E 00	2.2935E-04	1.1257E 00	1.2717E-04	1.1257E 00	8.1892E-05	1.1257E 00	1.1507E 00	1.1507E 00	1.1929E-04	
3.4925	1.1507E 00	4.7689E-03	1.1507E 00	1.3501E-03	1.1507E 00	4.5871E-04	1.1507E 00		1.1507E 00		
9.2178	1.1728E 00	1.4027E-01	1.1729E 00	8.1864E-02	1.1729E 00	4.7798E-02	1.1729E 00	1.1729E 00	1.1729E 00	1.6343E-02	
48.0334	1.1887E 00	7.9027E-01	1.1890E 00	7.1256E-01	1.1891E 00	6.4238E-01	1.1891E 00		1.1893E 00	5.2194E-01	

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		6.2288E-04		3.7801E-04		2.5443E-04		1.0889E 00	1.3802E-04	
0	1.0889E 00	8.9233E-03	1.0889E 00	6.8873E-03	1.0889E 00	5.5867E-03	1.0889E 00	4.0230E-03		
1	-7.2725E-02	-1.3382E 00	-7.3220E-02	-1.3773E 00	-7.3545E-02	-1.4038E 00	-7.3946E-02	-1.4556E 00		

TAU = 50.00			TAU = 75.00			TAU = 100.0			TAU = 200.0		
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	
0.0171	1.0082E 00	5.9787E-07	1.0082E 00	1.1611E-07	1.0082E 00	0.0000E-39	1.0082E 00	0.0000E-39	1.0082E 00	0.0000E-39	
0.0935	1.0291E 00	1.2987E-06	1.0291E 00	6.5110E-07	1.0291E 00	3.8850E-07	1.0291E 00	4.7412E-08	1.0291E 00		
0.2475	1.0504E 00	3.5427E-06	1.0504E 00	1.7703E-06	1.0504E 00	1.0387E-06	1.0504E 00	2.7310E-07	1.0504E 00		
0.5106	1.0794E 00	7.5626E-06	1.0794E 00	3.7636E-06	1.0794E 00	2.1973E-06	1.0794E 00	4.0396E-06	1.0794E 00	5.0377E-07	
0.9128	1.1024E 00	1.4028E-05	1.1024E 00	6.9369E-06	1.1024E 00	4.0396E-06	1.1024E 00	6.1277E-07	1.1024E 00		
1.6574	1.1257E 00	2.6835E-05	1.1257E 00	1.3095E-05	1.1257E 00	7.6308E-06	1.1257E 00	9.4701E-07	1.1257E 00		
3.4925	1.1507E 00	6.4272E-05	1.1507E 00	2.9884E-05	1.1507E 00	1.7056E-05	1.1507E 00	2.1236E-06	1.1507E 00		
9.2178	1.1729E 00	5.6377E-03	1.1729E 00	4.5726E-04	1.1729E 00	7.7232E-05	1.1729E 00	6.5544E-06	1.1729E 00		
48.0334	1.1894E 00	4.2402E-01	1.1894E 00	2.5218E-01	1.1895E 00	1.4997E-01	1.1895E 00	1.8757E-02	1.1895E 00		

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		9.0443E-05		4.4991E-05		2.6089E-05		1.0889E 00	3.2517E-06	
0	1.0889E 00	3.0958E-03	1.0889E 00	1.7760E-03	1.0889E 00	1.0518E-03	1.0889E 00	1.3148E-04		
1	-7.4191E-02	-1.4909E 00	-7.4550E-02	-1.5499E 00	-7.4754E-02	-1.5845E 00	-7.5019E-02	-1.6287E 00		

TAU = 230.3			U(J)			Z(J)			H(J)		
Z(J)	X(J)	Y(J)									
0.0171	1.0082E 00	1.3847E-07		1.6768E-02	1.7054E-02	3.1237E-02					
0.0935	1.0291E 00	2.4378E-08		8.5547E-02	9.3550E-02	7.8757E-02					
0.2475	1.0504E 00	6.7698E-08		1.9838E-01	2.4748E-01	1.4267E-01					
0.5106	1.0794E 00	1.4464E-07		3.3801E-01	5.1059E-01	2.3480E-01					
0.9128	1.1024E 00	2.6693E-07		4.7721E-01	9.1280E-01	3.0771E-01					
1.6574	1.1257E 00	5.0345E-07		6.2369E-01	1.6574E 00	1.2427E-01					
3.4925	1.1507E 00	1.1299E-06		7.7741E-01	3.4925E 00	5.1584E-02					
9.2178	1.1729E 00	3.4888E-06		9.0213E-01	9.2178E 00	2.1997E-02					
48.0334	1.1895E 00	9.9873E-03		9.7961E-01	4.8033E 01	6.9770E-03					

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		1.9831E-06								
0	1.0889E 00	7.0011E-05	1.0889E 00	-1.6317E 00						
1	-7.5037E-02	-1.6317E 00								

OMEGA = 0.40

		TAU = 0.050	TAU = 0.100	TAU = 0.200	TAU = 0.300	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)
0.0171	1.0103E 00	6.0731E-02	1.0107E 00	8.5608E-03	1.0109E 00	4.0962E-03
0.0935	1.0217E 00	6.0622E-01	1.0299E 00	3.6987E-01	1.0363E 00	1.4282E-01
0.2475	1.0248E 00	8.4122E-01	1.0380E 00	7.0230E-01	1.0537E 00	4.9186E-01
0.5106	1.0259E 00	9.3230E-01	1.0412E 00	8.6220E-01	1.0623E 00	7.3377E-01
0.9128	1.0264E 00	9.7290E-01	1.0428E 00	9.3830E-01	1.0665E 00	8.6706E-01
1.6574	1.0267E 00	9.9685E-01	1.0437E 00	9.8472E-01	1.0691E 00	9.5390E-01
3.4925	1.0269E 00	1.0126E 00	1.0443E 00	1.0158E 00	1.0709E 00	1.0145E 00
9.2178	1.0270E 00	1.0215E 00	1.0446E 00	1.0337E 00	1.0719E 00	1.0502E 00
48.0334	1.0270E 00	1.0260E 00	1.0448E 00	1.0427E 00	1.0724E 00	1.0682E 00

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		1.9555E 00		1.5358E 00		1.1302E 00		8.9876E 01
0	1.0252E 00	8.9367E-01	1.0400E 00	8.2560E-01	1.0603E 00	7.2207E-01	1.0740E 00	6.4299E-01
1	-5.6057E-04	-4.7015E-02	-1.7258E-03	-8.9947E-02	-5.0664E-03	-1.6715E-01	-9.1005E-03	-2.3539E-01

		TAU = 0.400	TAU = 0.500	TAU = 0.600	TAU = 0.800	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)
0.0171	1.0110E 00	2.6511E-03	1.0110E 00	2.2463E-03	1.0110E 00	1.9362E-03
0.0935	1.0390E 00	3.1417E-02	1.0393E 00	1.9637E-02	1.0395E 00	1.4103E-02
0.2475	1.0649E 00	2.4505E-01	1.0698E 00	1.7561E-01	1.0715E 00	1.2756E-01
0.5106	1.0854E 00	5.2796E-01	1.0921E 00	4.4761E-01	1.0969E 00	3.7988E-01
0.9128	1.0958E 00	7.3162E-01	1.1054E 00	6.7001E-01	1.1130E 00	6.1286E-01
1.6574	1.1027E 00	8.8262E-01	1.1146E 00	8.4572E-01	1.1244E 00	8.0900E-01
3.4925	1.1076E 00	9.9655E-01	1.1212E 00	9.8351E-01	1.1327E 00	9.6884E-01
9.2178	1.1105E 00	1.0669E 00	1.1252E 00	1.0707E 00	1.1379E 00	1.0724E 00
48.0334	1.1120E 00	1.1035E 00	1.1273E 00	1.1166E 00	1.1405E 00	1.1276E 00

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		7.4560E-01		6.3407E-01		5.4785E-01		4.2183E-01
0	1.0840E 00	5.7887E-01	1.0916E 00	5.2510E-01	1.0975E 00	4.7907E-01	1.1060E 00	4.0411E-01
1	-1.3443E-02	-2.9656E-01	-1.7895E-02	-3.5190E-01	-2.2337E-02	-4.0229E-01	-3.0910E-02	-4.9079E-01

		TAU = 1.000	TAU = 1.500	TAU = 2.000	TAU = 2.500	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)
0.0171	1.0111E 00	1.1745E-03	1.0111E 00	7.0522E-04	1.0111E 00	4.4920E-04
0.0935	1.0398E 00	7.3246E-03	1.0400E 00	4.3034E-03	1.0400E 00	2.7435E-03
0.2475	1.0742E 00	4.2427E-02	1.0749E 00	1.6691E-02	1.0752E 00	9.1923E-03
0.5106	1.1067E 00	1.9882E-01	1.1105E 00	9.2332E-02	1.1115E 00	4.5770E-02
0.9128	1.1309E 00	4.6260E-01	1.1399E 00	2.6856E-01	1.1435E 00	1.6927E-01
1.6574	1.1498E 00	6.6981E-01	1.1654E 00	5.2106E-01	1.1729E 00	4.0155E-01
3.4925	1.1649E 00	9.0101E-01	1.1872E 00	8.0917E-01	1.1997E 00	7.1918E-01
9.2178	1.1745E 00	1.0656E 00	1.2020E 00	1.0393E 00	1.2186E 00	1.0035E 00
48.0334	1.1797E 00	1.1578E 00	1.2100E 00	1.1767E 00	1.2292E 00	1.1842E 00

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		3.3405E-01		2.0120E-01		1.2984E-01		8.7827E-02
0	1.1116E 00	3.4566E-01	1.1193E 00	2.4462E-01	1.1228E 00	1.8171E-01	1.1245E 00	1.4019E-01
1	-3.8840E-02	-5.6690E-01	-5.5420E-02	-7.1271E-01	-6.7823E-02	-8.1915E-01	-7.7019E-02	-8.9972E-01

		TAU = 3.000	TAU = 3.500	TAU = 4.000	TAU = 4.500	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)
0.0171	1.0111E 00	2.1606E-04	1.0111E 00	1.5564E-04	1.0111E 00	1.1571E-04
0.0935	1.0400E 00	1.2821E-03	1.0400E 00	9.2292E-04	1.0400E 00	6.8333E-04
0.2475	1.0753E 00	3.9950E-03	1.0753E 00	2.8341E-03	1.0753E 00	2.0744E-03
0.5106	1.1121E 00	1.4302E-01	1.1121E 00	9.0027E-03	1.1121E 00	6.0519E-03
0.9128	1.1456E 00	6.8360E-02	1.1459E 00	4.4097E-02	1.1460E 00	2.8856E-02
1.6574	1.1788E 00	2.3503E-01	1.1798E 00	1.7913E-01	1.1805E 00	1.3638E-01
3.4925	1.2114E 00	5.5875E-01	1.2141E 00	4.9013E-01	1.2159E 00	4.2911E-01
9.2178	1.2361E 00	9.2126E-01	1.2408E 00	8.7895E-01	1.2441E 00	8.3720E-01
48.0334	1.2506E 00	1.1820E 00	1.2568E 00	1.1763E 00	1.2613E 00	1.1689E 00

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		5.1645E-02		4.4640E-02		3.3225E-02		2.5341E-02
0	1.1254E 00	1.1161E-01	1.1259E 00	9.1249E-02	1.1263E 00	7.6308E-02	1.1265E 00	6.5055E-02
1	-8.3883E-02	-9.6284E-01	-8.9074E-02	-1.0137E 00	-9.3064E-02	-1.0558E 00	-9.6181E-02	-1.0913E 00

OMEGA = 0.40

TAU = 5.000			TAU = 7.500			TAU = 10.00			TAU = 15.00		
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	
0.0171	1.0111E 00	6.9760E-05	1.0111E 00	2.5684E-05	1.0111E 00	1.2785E-05	1.0111E 00	4.3157E-06			
0.0935	1.0401E 00	4.0276E-04	1.0401E 00	1.4814E-04	1.0401E 00	7.3382E-05	1.0401E 00	2.8224E-05			
0.2475	1.0753E 00	1.2005E-03	1.0753E 00	4.2853E-04	1.0753E 00	2.0887E-04	1.0753E 00	7.9124E-05			
0.5106	1.1122E 00	3.1673E-03	1.1122E 00	1.0266E-03	1.1122E 00	4.8106E-04	1.1122E 00	1.7674E-04			
0.9128	1.1461E 00	1.3047E-02	1.1462E 00	2.7803E-03	1.1462E 00	1.0644E-03	1.1462E 00	3.5325E-04			
1.6574	1.1810E 00	7.9037E-02	1.1813E 00	2.0776E-02	1.1813E 00	6.0602E-03	1.1813E 00	9.8741E-04			
3.4925	1.2179E 00	9.2764E-01	1.2194E 00	1.6515E-01	1.2197E 00	8.2906E-02	1.2198E 00	2.1142E-02			
9.2178	1.2482E 00	7.5717E-01	1.2524E 00	5.9383E-01	1.2538E 00	4.4797E-01	1.2546E 00	2.6255E-01			
48.0334	1.2673E 00	1.1513E 00	1.2742E 00	1.1004E 00	1.2770E 00	1.0478E 00	1.2793E 00	9.4702E-01			

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		1.9760E-02		7.3782E-03		3.6860E-03		1.4280E-03
0	1.1266E 00	5.6380E-02	1.1269E 00	3.2791E-02	1.1270E 00	2.2671E-02	1.1270E 00	1.3760E-02
1	-9.8659E-02	-1.1218E 00	-1.0579E-01	-1.2290E 00	-1.0909E-01	-1.2972E 00	-1.1217E-01	-1.3850E 00

TAU = 20.00			TAU = 25.00			TAU = 30.00			TAU = 40.00		
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	
0.0171	1.0111E 00	2.5636E-06	1.0111E 00	1.9873E-06	1.0111E 00	3.5782E-06	1.0111E 00	4.9237E-07			
0.0935	1.0401E 00	1.4625E-05	1.0401E 00	8.8571E-06	1.0401E 00	5.8895E-06	1.0401E 00	3.1864E-06			
0.2475	1.0753E 00	4.0725E-05	1.0753E 00	2.4575E-05	1.0753E 00	1.6332E-05	1.0753E 00	8.7842E-06			
0.5106	1.1122E 00	8.9764E-05	1.1122E 00	5.3777E-05	1.1122E 00	3.5594E-05	1.1122E 00	1.9011E-05			
0.9128	1.1462E 00	1.7463E-04	1.1462E 00	1.0324E-04	1.1462E 00	6.7797E-05	1.1462E 00	3.5827E-05			
1.6574	1.1813E 00	3.8003E-04	1.1813E 00	2.1168E-04	1.1813E 00	1.3596E-04	1.1813E 00	7.0178E-05			
3.4925	1.2198E 00	5.6712E-03	1.2198E 00	1.7097E-03	1.2198E 00	6.3683E-04	1.2198E 00	1.9191E-04			
9.2178	1.2549E 00	1.5360E-01	1.2549E 00	8.9843E-02	1.2549E 00	5.2580E-02	1.2549E 00	1.8090E-02			
48.0334	1.2802E 00	8.5465E-01	1.2807E 00	7.7086E-01	1.2810E 00	6.9510E-01	1.2813E 00	5.6496E-01			

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		7.4358E-04		4.5229E-04		3.0619E-04		1.6280E-04
0	1.1270E 00	9.7633E-03	1.1270E 00	7.5177E-03	1.1270E 00	6.0882E-03	1.1270E 00	4.3753E-03
1	-1.1362E-01	-1.4429E 00	-1.1447E-01	-1.4857E 00	-1.1503E-01	-1.5195E 00	-1.1571E-01	-1.5710E 00

TAU = 50.00			TAU = 75.00			TAU = 100.0			TAU = 200.0		
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	
0.0171	1.0111E 00	6.3081E-07	1.0111E 00	1.7857E-07	1.0111E 00	1.8456E-07	1.0111E 00	0.00000E-39			
0.0935	1.0401E 00	2.0610E-06	1.0401E 00	1.0296E-06	1.0401E 00	5.9815E-07	1.0401E 00	7.5141E-08			
0.2475	1.0753E 00	5.6721E-06	1.0753E 00	2.8242E-06	1.0753E 00	1.6424E-06	1.0753E 00	2.0555E-07			
0.5106	1.1122E 00	1.2228E-05	1.1122E 00	6.0636E-06	1.1122E 00	3.5250E-06	1.1122E 00	4.4069E-07			
0.9128	1.1462E 00	2.2889E-05	1.1462E 00	1.2787E-05	1.1462E 00	6.5509E-06	1.1462E 00	8.1857E-07			
1.6574	1.1813E 00	4.4209E-05	1.1813E 00	2.1498E-05	1.1813E 00	1.2459E-05	1.1813E 00	1.5562E-06			
3.4925	1.2198E 00	1.0662E-04	1.2198E 00	4.9052E-05	1.2198E 00	2.8251E-05	1.2198E 00	3.5248E-06			
9.2178	1.2549E 00	6.3059E-03	1.2549E 00	5.5755E-04	1.2549E 00	1.1540E-04	1.2549E 00	1.0978E-05			
48.0334	1.2814E 00	4.5908E-01	1.2815E 00	2.7316E-01	1.2816E 00	1.6252E-01	1.2816E 00	2.0362E-02			

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		1.0612E-04		5.2756E-05		3.0851E-05		3.8129E-06
0	1.1270E 00	3.3636E-03	1.1270E 00	1.9287E-03	1.1270E 00	1.1426E-03	1.1270E 00	1.4307E-04
1	-1.1613E-01	-1.6094E 00	-1.1673E-01	-1.6735E 00	-1.1708E-01	-1.7110E 00	-1.1753E-01	-1.7592E 00

TAU = 234.2			TAU = 500.0			TAU = 750.0			TAU = 1000.0		
Z(J)	X(J)	Y(J)	U(J)	Z(J)	H(J)	U(J)	Z(J)	H(J)	U(J)	Z(J)	H(J)
0.0171	1.0111E 00	1.0327E-07	1.6768E-02	1.7054E-02	3.1237E-02						
0.0935	1.0401E 00	3.5966E-08	8.5547E-02	9.3550E-02	7.8757E-02						
0.2475	1.0753E 00	1.0009E-07	1.9838E-01	2.4748E-01	1.4267E-01						
0.5106	1.1122E 00	2.1557E-07	3.3801E-01	5.1059E-01	2.3480E-01						
0.9128	1.1462E 00	4.0112E-07	4.7721E-01	9.1280E-01	3.0771E-01						
1.6574	1.1813E 00	7.6330E-07	6.2369E-01	1.6574E 00	1.2427E-01						
3.4925	1.2198E 00	1.7300E-06	7.7741E-01	3.4925E 00	5.1584E-02						
9.2178	1.2549E 00	5.3899E-06	9.0213E-01	9.2178E 00	2.1997E-02						
48.0334	1.2816E 00	9.9990E-03	9.7961E-01	4.8039E 01	6.9770E-03						

N	ALPHA(N)	BETA(N)
-1		2.0595E-06
0	1.1270E 00	7.0260E-05
1	-1.1756E-01	-1.7627E 00

OMEGA = 0.50										
TAU = 0.050			TAU = 0.100			TAU = 0.200			TAU = 0.300	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)
0.0171	1.0130E 00	6.2670E-02	1.0135E 00	1.0104E-02	1.0138E 00	5.2612E-03	1.0139E 00	5.1752E-03	1.0140E 00	5.1735E-02
0.0935	1.0273E 00	6.1148E-01	1.0379E 00	3.7552E-01	1.0462E 00	1.4984E-01	1.0480E 00	6.7435E-02		
0.2475	1.0312E 00	6.4750E-01	1.0482E 00	7.1253E-01	1.0495E 00	5.0476E-01	1.0797E 00	3.5074E-01		
0.5106	1.0326E 00	9.4750E-01	1.0522E 00	8.7288E-01	1.0795E 00	5.4988E-01	1.0975E 00	6.4207E-01		
0.9128	1.0322E 00	9.7971E-01	1.0483E 00	9.4952E-01	1.0849E 00	8.8481E-01	1.1071E 00	8.1999E-01		
1.6574	1.0336E 00	1.0038E 00	1.0553E 00	9.9625E-01	1.0883E 00	9.7267E-01	1.1132E 00	9.4341E-01		
3.4925	1.0338E 00	1.0196E 00	1.0561E 00	1.0276E 00	1.0904E 00	1.0340E 00	1.1174E 00	1.0330E 00		
9.2178	1.0340E 00	1.0285E 00	1.0565E 00	1.0456E 00	1.0919E 00	1.0700E 00	1.1199E 00	1.0670E 00		
48.0334	1.0340E 00	1.0330E 00	1.0567E 00	1.0546E 00	1.0925E 00	1.0883E 00	1.1211E 00	1.1147E 00		

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1	1.0318E 00	1.9731E 00	1.0505E 00	8.3588E-01	1.0770E 00	7.3765E-01	1.0951E 00	9.3255E-01
0								
1	-7.0670E-04	-4.7201E-02	-2.1898E-03	-9.0567E-02	-6.4968E-03	-1.6913E-01	-1.1777E-02	-2.3921E-01

TAU = 0.400			TAU = 0.500			TAU = 0.600			TAU = 0.800	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)
0.0171	1.0140E 00	3.4751E-03	1.0140E 00	2.9704E-03	1.0141E 00	2.5810E-03	1.0141E 00	2.0118E-03		
0.0935	1.0505E 00	3.6818E-02	1.0505E 00	2.4144E-02	1.0508E 00	1.8252E-02	1.0512E 00	1.2884E-02		
0.2475	1.0842E 00	2.5904E-01	1.0903E 00	1.8903E-01	1.0928E 00	1.4016E-01	1.0956E 00	8.1508E-02		
0.5106	1.1103E 00	5.4491E-01	1.1195E 00	4.6975E-01	1.1263E 00	4.0210E-01	1.1353E 00	2.9572E-01		
0.9128	1.1239E 00	7.5729E-01	1.1371E 00	6.9803E-01	1.1475E 00	6.4249E-01	1.1628E 00	5.4271E-01		
1.6574	1.1329E 00	9.1137E-01	1.1491E 00	8.7800E-01	1.1626E 00	8.4411E-01	1.1835E 00	7.7658E-01		
3.4925	1.1394E 00	1.0275E 00	1.1578E 00	1.0190E 00	1.1737E 00	1.0082E 00	1.1994E 00	9.8175E-01		
9.2178	1.1432E 00	1.0993E 00	1.1631E 00	1.1081E 00	1.1805E 00	1.1149E 00	1.2093E 00	1.1209E 00		
48.0334	1.1451E 00	1.1365E 00	1.1658E 00	1.1550E 00	1.1840E 00	1.1710E 00	1.2145E 00	1.1969E 00		

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1	7.8083E-01	6.6977E-01	5.4816E-01	5.8340E-01	5.0321E-01	1.1392E 00	4.45604E-01	
0	1.1086E 00	6.0031E-01	1.1189E 00	5.4816E-01	1.1272E 00	5.0321E-01	1.1392E 00	4.2929E-01
1	-1.7540E-02	-3.0254E-01	-2.3522E-02	-3.6027E-01	-2.9560E-02	-4.1320E-01	-4.1406E-02	-5.0705E-01

TAU = 1.000			TAU = 1.500			TAU = 2.000			TAU = 2.500	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)
0.0171	1.0142E 00	1.6123E-03	1.0142E 00	9.9803E-04	1.0142E 00	6.5950E-04	1.0142E 00	4.5508E-04		
0.0935	1.0515E 00	1.0405E-02	1.0517E 00	6.1103E-03	1.0519E 00	3.5990E-03	1.0519E 00	2.7419E-03		
0.2475	1.0870E 00	5.1472E-02	1.0932E 00	2.2615E-02	1.0987E 00	1.3236E-02	1.0988E 00	8.7253E-03		
0.5106	1.1405E 00	2.1859E-01	1.1443E 00	2.0763E-01	1.1482E 00	5.6835E-02	1.1489E 00	3.2490E-02		
0.9128	1.1731E 00	4.5172E-01	1.1887E 00	2.0659E-01	1.1924E 00	1.9235E-01	1.1949E 00	1.2539E-01		
1.6574	1.1987E 00	7.1111E-01	1.2219E 00	5.6334E-01	1.2336E 00	4.4049E-01	1.2398E 00	3.4271E-01		
3.4925	1.2191E 00	9.5111E-01	1.2521E 00	8.6565E-01	1.2712E 00	7.7323E-01	1.2828E 00	6.9221E-01		
9.2178	1.2322E 00	1.1215E 00	1.2726E 00	1.1063E 00	1.2979E 00	1.0769E 00	1.3145E 00	1.0399E 00		
48.0334	1.2392E 00	1.2170E 00	1.2693E 00	1.2497E 00	1.3130E 00	1.2667E 00	1.3329E 00	1.2742E 00		

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1	3.6618E-01	2.2733E-01	5.4559E-02	1.5048E-01	1.0218E-01	2.0218E-01	1.1672E 00	1.5775E-01
0	1.1474E 00	3.7092E-01	1.1589E 00	2.6799E-01	1.1644E 00	2.0218E-01	1.1672E 00	-1.0961E-01
1	-5.2584E-02	-5.8781E-01	-7.6656E-02	-7.4780E-01	-9.5338E-02	-8.6620E-01	-1.0961E-01	-9.5710E-01

TAU = 3.000			TAU = 3.500			TAU = 4.000			TAU = 4.500	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)
0.0171	1.0142E 00	3.2480E-04	1.0142E 00	2.3697E-04	1.0142E 00	1.7930E-04	1.0142E 00	1.3707E-04		
0.0935	1.0519E 00	1.9465E-03	1.0520E 00	1.4224E-03	1.0520E 00	1.0658E-03	1.0520E 00	8.1674E-04		
0.2475	1.0989E 00	6.0787E-03	1.0989E 00	4.3863E-03	1.0989E 00	3.2539E-03	1.0989E 00	2.4722E-03		
0.5106	1.1492E 00	2.0052E-02	1.1493E 00	1.3229E-02	1.1494E 00	9.2136E-03	1.1494E 00	6.4222E-03		
0.9128	1.1930E 00	8.2011E-02	1.1968E 00	5.4070E-02	1.1990E 00	3.5750E-02	1.1997E 00	2.8552E-02		
1.6574	1.2431E 00	2.6516E-01	1.2420E 00	2.0460E-01	1.2461E 00	1.5764E-01	1.2467E 00	1.2141E-01		
3.4925	1.2900E 00	6.1302E-01	1.2946E 00	5.4081E-01	1.2976E 00	4.7580E-01	1.2996E 00	4.1778E-01		
9.2178	1.3258E 00	9.9913E-01	1.3336E 00	9.5668E-01	1.3391E 00	9.1387E-01	1.3432E 00	8.7150E-01		
48.0334	1.3469E 00	1.2757E 00	1.3571E 00	1.2732E 00	1.3646E 00	1.2601E 00	1.3703E 00	1.2611E 00		

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1	7.4271E-02	4.1077E-02	5.4559E-02	4.1077E-02	1.1672E 00	8.74475E-02	1.1706E 00	8.74475E-02
0	1.1687E 00	1.2657E-01	1.1697E 00	1.0401E-01	1.1702E 00	8.7234E-02	1.1706E 00	-1.4077E-01
1	-1.2054E-01	-1.0290E 00	-1.2897E-01	-1.0874E 00	-1.3556E-01	-1.1358E 00	-1.4077E-01	-1.1767E 00

OMEGA = 0.50

TAU = 5.000			TAU = 7.500			TAU = 10.00			TAU = 15.00		
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	
0.0171	1.0142E 00	1.0816E-04	1.0142E 00	4.0725E-05	1.0142E 00	2.0217E-05	1.0142E 00	7.9003E-06	1.0142E 00	7.9003E-06	
0.0935	1.0520E 00	6.3860E-04	1.0520E 00	2.3771E-04	1.0520E 00	1.1722E-04	1.0520E 00	4.4504E-05	1.0520E 00	4.4504E-05	
0.2475	1.0990E 00	1.9182E-03	1.0990E 00	6.9472E-04	1.0990E 00	3.3729E-04	1.0990E 00	1.2613E-04	1.0990E 00	1.2613E-04	
0.5106	1.1494E 00	5.0330E-03	1.1495E 00	1.6808E-03	1.1495E 00	7.8703E-04	1.1495E 00	2.8512E-04	1.1495E 00	2.8512E-04	
0.9128	1.1970E 00	1.7992E-02	1.1971E 00	4.3648E-03	1.1972E 00	1.7441E-03	1.1972E 00	5.7662E-04	1.1972E 00	5.7662E-04	
1.6574	1.2471E 00	9.3538E-02	1.2476E 00	2.6191E-02	1.2477E 00	8.2415E-03	1.2477E 00	1.5454E-03	1.2477E 00	1.5454E-03	
3.4925	1.3010E 00	3.6628E-01	1.3037E 00	1.8748E-01	1.3043E 00	9.5337E-02	1.3045E 00	2.5016E-02	1.3045E 00	2.5016E-02	
9.2178	1.3462E 00	8.3007E-01	1.3534E 00	6.4402E-01	1.3557E 00	4.9587E-01	1.3572E 00	2.9189E-01	1.3572E 00	2.9189E-01	
48.0334	1.3747E 00	1.2528E 00	1.3866E 00	1.2021E 00	1.3915E 00	1.1468E 00	1.3954E 00	1.0381E 00	1.3954E 00	1.0381E 00	

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1	2.4807E-02		9.3640E-03		4.6560E-03		1.7828E-03	
0	1.1708E 00	6.4563E-02	1.1713E 00	3.7336E-02	1.1715E 00	2.5630E-02	1.1715E 00	1.5412E-02
1	-1.4495E-01	-1.2118E 00	-1.5717E-01	-1.3352E 00	-1.6284E-01	-1.4128E 00	-1.6811E-01	-1.5120E 00

TAU = 20.00

TAU = 20.00			TAU = 25.00			TAU = 30.00			TAU = 40.00		
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	
0.0171	1.0142E 00	3.9854E-06	1.0142E 00	0.0000E-39	1.0142E 00	1.6000E-06	1.0142E 00	8.5900E-07	1.0142E 00	8.5900E-07	
0.0935	1.0520E 00	2.2873E-05	1.0520E 00	1.3824E-05	1.0520E 00	9.1583E-06	1.0520E 00	4.9098E-06	1.0520E 00	4.9098E-06	
0.2475	1.0990E 00	6.4374E-05	1.0990E 00	3.8675E-05	1.0990E 00	2.5607E-05	1.0990E 00	1.3680E-05	1.0990E 00	1.3680E-05	
0.5106	1.1495E 00	1.4355E-04	1.1495E 00	8.5595E-05	1.1495E 00	5.6411E-05	1.1495E 00	2.9945E-05	1.1495E 00	2.9945E-05	
0.9128	1.1970E 00	2.8244E-04	1.1972E 00	1.6803E-04	1.1972E 00	1.0460E-04	1.1972E 00	5.7042E-05	1.1972E 00	5.7042E-05	
1.6574	1.2477E 00	6.4858E-04	1.2477E 00	3.4400E-04	1.2477E 00	2.2034E-04	1.2477E 00	1.1304E-04	1.2477E 00	1.1304E-04	
3.4925	1.3045E 00	7.0025E-03	1.3046E 00	2.2593E-03	1.3046E 00	9.1430E-04	1.3046E 00	3.0690E-04	1.3046E 00	3.0690E-04	
9.2178	1.3576E 00	1.7131E-01	1.3577E 00	1.0051E-01	1.3577E 00	5.9011E-02	1.3578E 00	2.0472E-02	1.3578E 00	2.0472E-02	
48.0334	1.3970E 00	9.3762E-01	1.3978E 00	8.4610E-01	1.3983E 00	7.6321E-01	1.3988E 00	6.2061E-01	1.3988E 00	6.2061E-01	

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1	9.1974E-04		5.5117E-04		3.6966E-04		1.9859E-04	
0	1.1716E 00	1.0880E-02	1.1716E 00	8.3512E-03	1.1716E 00	6.7486E-03	1.1716E 00	4.8371E-03
1	-1.7050E-01	-1.5767E 00	-1.7201E-01	-1.6244E 00	-1.7295E-01	-1.6620E 00	-1.7409E-01	-1.7191E 00

TAU = 50.00

TAU = 50.00			TAU = 75.00			TAU = 100.0			TAU = 200.0		
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	
0.0171	1.0142E 00	5.5239E-07	1.0142E 00	2.1188E-07	1.0142E 00	1.6460E-07	1.0142E 00	6.0528E-08	1.0142E 00	6.0528E-08	
0.0935	1.0520E 00	3.1655E-06	1.0520E 00	1.5725E-06	1.0520E 00	9.1435E-07	1.0520E 00	1.1408E-07	1.0520E 00	1.1408E-07	
0.2475	1.0990E 00	8.7988E-06	1.0990E 00	4.3601E-06	1.0990E 00	2.5352E-06	1.0990E 00	3.1705E-07	1.0990E 00	3.1705E-07	
0.5106	1.1495E 00	1.9180E-05	1.1495E 00	9.4660E-06	1.1495E 00	5.5015E-06	1.1495E 00	6.8838E-07	1.1495E 00	6.8838E-07	
0.9128	1.1972E 00	3.6287E-05	1.1972E 00	1.7793E-05	1.1972E 00	1.0332E-05	1.1972E 00	1.2929E-06	1.1972E 00	1.2929E-06	
1.6574	1.2477E 00	7.0985E-05	1.2477E 00	3.4285E-05	1.2477E 00	1.9870E-05	1.2477E 00	2.8462E-06	1.2477E 00	2.8462E-06	
3.4925	1.3046E 00	1.7280E-04	1.3046E 00	7.9257E-05	1.3046E 00	4.5616E-05	1.3046E 00	5.7030E-06	1.3046E 00	5.7030E-06	
9.2178	1.3578E 00	7.2351E-03	1.3578E 00	7.0752E-04	1.3578E 00	1.7502E-04	1.3578E 00	1.7968E-05	1.3578E 00	1.7968E-05	
48.0334	1.3990E 00	5.0447E-01	1.3992E 00	3.0037E-01	1.3993E 00	1.7882E-01	1.3993E 00	2.2457E-02	1.3993E 00	2.2457E-02	

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1	1.2821E-04		6.3633E-05		3.7100E-05		4.7176E-06	
0	1.1716E 00	3.7137E-03	1.1716E 00	2.1280E-03	1.1716E 00	1.2622E-03	1.1716E 00	1.5830E-04
1	-1.7478E-01	-1.7615E 00	-1.7578E-01	-1.8323E 00	-1.7635E-01	-1.8738E 00	-1.7709E-01	-1.4270E 00

TAU = 239.0

Z(J)	X(J)	Y(J)	U(J)	Z(J)	H(J)
0.0171	1.0142E 00	0.0000E-39	1.6768E-02	1.7054E-02	3.1223E-02
0.0935	1.0520E 00	7.7658E-08	8.5547E-02	0.3550E-02	7.7575E-02
0.2475	1.0990E 00	1.4574E-07	1.0838E-01	2.4747E-01	1.4247E-01
0.5106	1.1495E 00	3.3119E-07	3.3801E-01	8.1059E-01	2.8469E-01
0.9128	1.1972E 00	6.0090E-07	4.7721E-01	0.1280E-01	3.0771E-01
1.6574	1.2477E 00	1.1328E-06	6.2369E-01	0.16574E 00	1.2427E-01
3.4925	1.3046E 00	2.5656E-06	7.7741E-01	3.4925E 00	5.1584E-02
9.2178	1.3578E 00	8.0253E-06	9.0213E-01	0.2178E 00	2.1997E-02
48.0334	1.3993E 00	9.9951E-03	9.7961E-01	4.8033E 01	6.9770E-03

N	ALPHA(N)	BETA(N)
-1	2.1096E-06	
0	1.1716E 00	7.0478E-05
1	-1.7715E-01	-1.9312E 00

OMEGA = 0.60

TAU = 0.050		TAU = 0.100		TAU = 0.200		TAU = 0.300	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)
0.0171	1.0157E 00	6.4642E-02	1.0164E 00	1.1697E-02	1.0167E 00	6.4918E-03	1.0169E 00
0.0935	1.0330E 00	6.1682E-01	1.0460E 00	3.8249E-01	1.0565E 00	1.5721E-01	1.0601E 00
0.2475	1.0377E 00	8.5387E-01	1.0586E 00	7.2262E-01	1.0840E 00	5.1826E-01	1.0983E 00
0.5106	1.0395E 00	9.4569E-01	1.0636E 00	8.8385E-01	1.0975E 00	7.6674E-01	1.1205E 00
0.9128	1.0402E 00	9.8662E-01	1.0659E 00	9.6103E-01	1.1042E 00	9.0337E-01	1.1323E 00
1.6574	1.0406E 00	1.0108E 00	1.0673E 00	1.0081E 00	1.1083E 00	9.9230E-01	1.1399E 00
3.4925	1.0409E 00	1.0266E 00	1.0682E 00	1.0396E 00	1.1111E 00	1.0543E 00	1.1451E 00
9.2178	1.0411E 00	1.0356E 00	1.0687E 00	1.0578E 00	1.1127E 00	1.0908E 00	1.1482E 00
48.0334	1.0411E 00	1.0401E 00	1.0689E 00	1.0668E 00	1.1135E 00	1.1093E 00	1.1498E 00

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		1.9910E 00		1.5841E 00		1.1929E 00		9.6858E-01
0	1.0385E 00	9.0666E-01	1.0616E 00	8.4644E-01	1.0944E 00	7.5596E-01	1.1175E 00	6.8233E-01
1	-8.5539E-04	-4.7389E-02	-2.6678E-03	-9.1202E-02	-8.0021E-03	-1.7120E-01	-1.4646E-02	-2.4324E-01

TAU = 0.400		TAU = 0.500		TAU = 0.600		TAU = 0.800	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)
0.0171	1.0170E 00	4.3798E-03	1.0171E 00	3.7787E-03	1.0172E 00	3.3130E-03	1.0173E 00
0.0935	1.0616E 00	4.2727E-02	1.0624E 00	2.9388E-02	1.0629E 00	2.2955E-02	1.0636E 00
0.2475	1.1069E 00	2.7421E-01	1.1123E 00	2.0382E-01	1.1159E 00	1.5426E-01	1.1199E 00
0.5106	1.1370E 00	5.7209E-01	1.1492E 00	4.9400E-01	1.1584E 00	4.2698E-01	1.1708E 00
0.9128	1.1541E 00	7.8496E-01	1.1714E 00	7.2864E-01	1.1854E 00	6.7526E-01	1.2063E 00
1.6574	1.1654E 00	9.4233E-01	1.1866E 00	9.1321E-01	1.2045E 00	8.8285E-01	1.2329E 00
3.4925	1.1735E 00	1.0609E 00	1.1977E 00	1.0576E 00	1.2187E 00	1.0515E 00	1.2534E 00
9.2178	1.1782E 00	1.1340E 00	1.2043E 00	1.1489E 00	1.2273E 00	1.1606E 00	1.2663E 00
48.0334	1.1807E 00	1.1720E 00	1.2077E 00	1.1968E 00	1.2318E 00	1.2186E 00	1.2730E 00

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		8.1897E-01		7.0897E-01		6.2298E-01		4.9507E-01
0	1.1349E 00	6.2344E-01	1.1486E 00	5.7337E-01	1.1596E 00	5.2994E-01	1.1760E 00	4.5782E-01
1	-2.2001E-02	-3.0893E-01	-2.9741E-02	-3.6930E-01	-3.7652E-02	-4.2508E-01	-5.3452E-02	-5.2508E-01

TAU = 1.000		TAU = 1.500		TAU = 2.000		TAU = 2.500	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)
0.0171	1.0174E 00	2.1369E-03	1.0175E 00	1.3693E-03	1.0175E 00	9.2939E-04	1.0175E 00
0.0935	1.0640E 00	1.3356E-02	1.0645E 00	8.4099E-03	1.0647E 00	5.6770E-03	1.0648E 00
0.2475	1.1220E 00	6.2201E-02	1.1241E 00	3.0098E-02	1.1249E 00	1.8615E-02	1.1252E 00
0.5106	1.1783E 00	2.4251E-01	1.1871E 00	1.2650E-01	1.1903E 00	7.1181E-02	1.1915E 00
0.9128	1.2207E 00	4.9342E-01	1.2407E 00	3.3053E-01	1.2496E 00	2.2148E-01	1.2537E 00
1.6574	1.2542E 00	7.5874E-01	1.2877E 00	6.1395E-01	1.3055E 00	4.8978E-01	1.3154E 00
3.4925	1.2828E 00	1.0085E 00	1.3282E 00	9.3276E-01	1.3570E 00	8.4645E-01	1.3751E 00
9.2178	1.2980E 00	1.1855E 00	1.3597E 00	1.1856E 00	1.3936E 00	1.1660E 00	1.4454E 00
48.0334	1.3071E 00	1.2845E 00	1.3708E 00	1.3359E 00	1.4143E 00	1.3667E 00	1.4451E 00

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		4.0367E-01		2.5937E-01		1.7694E-01		1.2536E-01
0	1.1875E 00	4.0011E-01	1.2044E 00	2.9622E-01	1.2129E 00	2.2761E-01	1.2174E 00	1.8040E-01
1	-6.8691E-02	-6.1231E-01	-1.0264E-01	-7.8850E-01	-1.3014E-01	-9.2222E-01	-1.5193E-01	-1.0267E 00

TAU = 3.000		TAU = 3.500		TAU = 4.000		TAU = 4.500	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)
0.0171	1.0175E 00	4.8149E-04	1.0175E 00	3.6006E-04	1.0175E 00	2.7633E-04	1.0175E 00
0.0935	1.0649E 00	2.9020E-03	1.0649E 00	2.1616E-03	1.0649E 00	1.6452E-03	1.0649E 00
0.2475	1.1254E 00	9.0812E-03	1.1255E 00	6.6931E-03	1.1256E 00	5.0529E-03	1.1256E 00
0.5106	1.1921E 00	2.8179E-02	1.1924E 00	1.9419E-02	1.1925E 00	1.3988E-02	1.1926E 00
0.9128	1.2557E 00	1.0167E-01	1.2568E 00	7.0147E-02	1.2573E 00	4.9164E-02	1.2576E 00
1.6574	1.3210E 00	3.0464E-01	1.3242E 00	2.3879E-01	1.3261E 00	1.8683E-01	1.3273E 00
3.4925	1.3867E 00	6.8243E-01	1.3944E 00	6.0677E-01	1.3946E 00	5.3750E-01	1.4031E 00
9.2178	1.4374E 00	1.0975E 00	1.4502E 00	1.0562E 00	1.4595E 00	1.0132E 00	1.4664E 00
48.0334	1.4674E 00	1.3933E 00	1.4940E 00	1.3964E 00	1.4966E 00	1.3953E 00	1.5063E 00

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		9.1535E-02		6.8505E-02		5.2379E-02		4.0415E-02
0	1.2201E 00	1.4635E-01	1.2227E 00	1.2123E-01	1.2227E 00	1.0224E-01	1.2233E 00	8.7584E-02
1	-1.6912E-01	-1.1106E 00	-1.8273E-01	-1.1793E 00	-1.9360E-01	-1.2366E 00	-2.0235E-01	-1.2853E 00

OMEGA = 0.60		TAU = 5.000		TAU = 7.500		TAU = 10.00		TAU = 15.00	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)
0.0171	1.0175E 00	1.6975E-04	1.0175E 00	6.1947E-05	1.0175E 00	3.2462E-05	1.0175E 00	8.7576E-06	
0.0935	1.0649E 00	1.0100E-03	1.0650E 00	3.8533E-04	1.0650E 00	1.9005E-04	1.0650E 00	7.1280E-05	
0.2475	1.1256E 00	3.0573E-03	1.1256E 00	1.1385E-03	1.1257E 00	5.5344E-04	1.1257E 00	2.0440E-04	
0.5104	1.1927E 00	7.9890E-03	1.1928E 00	2.1824E-03	1.1928E 00	1.3066E-03	1.1928E 00	4.6839E-04	
0.9128	1.2578E 00	2.5590E-02	1.2580E 00	7.0088E-03	1.2580E 00	2.9153E-03	1.2580E 00	9.6053E-04	
1.6574	1.3280E 00	1.1425E-01	1.3291E 00	3.4595E-02	1.3292E 00	1.1830E-02	1.3293E 00	2.5108E-03	
3.4925	1.4055E 00	4.1863E-01	1.4105E 00	2.1912E-01	1.4116E 00	1.1352E-01	1.4120E 00	3.0974E-02	
9.2178	1.4716E 00	9.2615E-01	1.4844E 00	7.2549E-01	1.4887E 00	5.6165E-01	1.4913E 00	3.3284E-01	
48.0334	1.5139E 00	1.3050E 00	1.5347E 00	1.3373E 00	1.5434E 00	1.2794E 00	1.5505E 00	1.1613E 00	
N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	
-1	3.2358E-02		1.2492E-02		6.2128E-03		2.3418E-03		
0	1.2238E 00	7.6073E-02	1.2247E 00	4.3894E-02	1.2249E 00	2.9906E-02	1.2251E 00	1.7774E-02	
1	-2.0948E-01	-1.3272E 00	-2.3077E-01	-1.4742E 00	-2.4084E-01	-1.5660E 00	-2.5016E-01	-1.6817E 00	
TAU = 20.00		TAU = 25.00		TAU = 30.00		TAU = 40.00			
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	
0.0171	1.0175E 00	6.2538E-06	1.0175E 00	3.7606E-06	1.0175E 00	5.7454E-07	1.0175E 00	1.3341E-06	
0.0935	1.0650E 00	3.6226E-05	1.0650E 00	2.1672E-05	1.0650E 00	1.4350E-05	1.0650E 00	7.6221E-06	
0.2475	1.1257E 00	1.0318E-04	1.1257E 00	6.1481E-05	1.1257E 00	4.0559E-05	1.1257E 00	2.1490E-05	
0.5106	1.1928E 00	2.3322E-04	1.1928E 00	1.3791E-04	1.1928E 00	9.0515E-05	1.1928E 00	4.7666E-05	
0.9128	1.2580E 00	4.6516E-04	1.2580E 00	2.7126E-04	1.2580E 00	1.7652E-04	1.2580E 00	9.1981E-05	
1.6574	1.3293E 00	1.0305E-03	1.3293E 00	5.7116E-04	1.3293E 00	3.6344E-04	1.3293E 00	1.8491E-04	
3.4925	1.4121E 00	9.1491E-03	1.4121E 00	3.1714E-03	1.4121E 00	1.3858E-03	1.4121E 00	5.0152E-04	
9.2178	1.4920E 00	1.9631E-01	1.4922E 00	1.1569E-01	1.4923E 00	6.8427E-02	1.4924E 00	2.3960E-02	
48.0334	1.5533E 00	1.0502E 00	1.5547E 00	9.4848E-01	1.5555E 00	8.5594E-01	1.5563E 00	6.9652E-01	
N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	
-1		1.1989E-03		7.1894E-04		4.7255E-04		2.5379E-04	
0	1.2251E 00	1.2461E-02	1.2251E 00	9.5229E-03	1.2251E 00	7.6723E-03	1.2251E 00	5.4787E-03	
1	-2.5449E-01	-1.7564E 00	-2.5697E-01	-1.8111E 00	-2.5858E-01	-1.8540E 00	-2.6054E-01	-1.9189E 00	
TAU = 50.00		TAU = 75.00		TAU = 100.0		TAU = 200.0			
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	
0.0171	1.0175E 00	8.4889E-07	1.0175E 00	4.4889E-07	1.0175E 00	3.5116E-07	1.0175E 00	2.8421E-08	
0.0935	1.0650E 00	4.8851E-06	1.0650E 00	2.4100E-06	1.0650E 00	1.4000E-06	1.0650E 00	1.7607E-07	
0.2475	1.1257E 00	1.3740E-05	1.1257E 00	6.7630E-06	1.1257E 00	3.9295E-06	1.1257E 00	4.9386E-07	
0.5106	1.1928E 00	3.0347E-05	1.1928E 00	1.4877E-05	1.1928E 00	8.6609E-06	1.1928E 00	1.0856E-06	
0.9128	1.2580E 00	8.8158E-05	1.2580E 00	2.8320E-05	1.2580E 00	1.6634E-05	1.2580E 00	2.0664E-06	
1.6574	1.3293E 00	1.1523E-04	1.3293E 00	5.5329E-05	1.3293E 00	3.2049E-05	1.3293E 00	4.0237E-06	
3.4925	1.4121E 00	2.8550E-04	1.4121E 00	1.2999E-04	1.4121E 00	7.4743E-05	1.4121E 00	9.3758E-06	
9.2178	1.4924E 00	8.6288E-03	1.4924E 00	9.5159E-04	1.4924E 00	2.7623E-04	1.4924E 00	2.9987E-05	
48.0334	1.5567E 00	5.6645E-01	1.5571E 00	3.3761E-01	1.5572E 00	2.0117E-01	1.5573E 00	2.5356E-02	
N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	
-1		1.6288E-04		9.0462E-05		4.6988E-05		5.8749E-06	
0	1.2251E 00	4.1964E-03	1.2251E 00	2.4034E-03	1.2251E 00	1.4253E-03	1.2251E 00	1.7953E-04	
1	-2.6172E-01	-1.9670E 00	-2.6343E-01	-2.0471E 00	-2.6439E-01	-2.0940E 00	-2.6565E-01	-2.1543E 00	
TAU = 244.9									
Z(J)	X(J)	Y(J)			U(J)	Z(J)	H(J)		
0.0171	1.0175E 00	3.1512E-09			1.6768E-02	1.7054E-02	3.1237E-02		
0.0935	1.0650E 00	6.9533E-08			8.5547E-02	9.3550E-02	7.6757E-02		
0.2475	1.1257E 00	1.9485E-07			1.9838E-01	2.4748E-01	1.4267E-01		
0.5106	1.1928E 00	2.8202E-07			3.3801E-01	5.1059E-01	2.3480E-01		
0.9128	1.2580E 00	8.1448E-07			4.7721E-01	9.1280E-01	3.0771E-01		
1.6574	1.3293E 00	1.5868E-06			6.2369E-01	1.6574E 00	1.2427E-01		
3.4925	1.4121E 00	3.6975E-06			7.7741E-01	3.4925E 00	5.1584E-02		
9.2178	1.4924E 00	1.1825E-05			9.0213E-01	9.2178E 00	2.1997E-02		
48.0334	1.5573E 00	9.9991E-03			9.7961E-01	4.8033E 01	6.9770E-03		
N	ALPHA(N)	BETA(N)							
-1		2.3022E-06							
0	1.2251E 00	7.0797E-05							
1	-2.6576E-01	-2.1595E 00							

OMEGA = 0.70

TAU = 0.050				TAU = 0.100				TAU = 0.200				TAU = 0.300				
Z(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	
0.0171	1.0194E 00	6.6659E-02	1.0193E 00	1.3341E-02	1.0198E 00	7.7928E-03	1.0201E 00	6.3269E-03								
0.0935	1.0388E 00	6.2235E-01	1.0563E 00	3.8967E-01	1.0672E 00	1.6497E-01	1.0718E 00	8.1713E-02								
0.2475	1.0644E 00	9.6034E-01	1.0602E 00	7.3268E-01	1.1001E 00	5.3243E-01	1.1170E 00	2.0044E-01								
0.5106	1.0664E 00	9.5254E-01	1.0752E 00	8.9512E-01	1.1163E 00	7.8440E-01	1.1449E 00	6.8461E-01								
0.9128	1.0673E 00	9.9364E-01	1.0779E 00	9.7286E-01	1.1248E 00	9.2280E-01	1.1591E 00	8.6894E-01								
1.6574	1.0678E 00	1.0179E 00	1.0795E 00	1.0202E 00	1.1295E 00	1.0128E 00	1.1683E 00	9.9678E-01								
3.4925	1.0681E 00	1.0338E 00	1.0804E 00	1.0520E 00	1.1326E 00	1.0756E 00	1.1746E 00	1.0894E 00								
9.2178	1.0683E 00	1.0428E 00	1.0812E 00	1.0703E 00	1.1346E 00	1.1126E 00	1.1784E 00	1.1452E 00								
48.0334	1.0684E 00	1.0473E 00	1.0815E 00	1.0794E 00	1.1355E 00	1.1313E 00	1.1802E 00	1.1738E 00								

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1	1.0452E 00	2.0091E 00	1.0728E 00	1.6092E 00	1.1226E 00	1.2246E 00	1.1412E 00	1.0071E 00
0		9.1331E-01		8.5729E-01		7.7105E-01		7.0393E-01
1	-1.0066E-03	-4.7580E-02	-3.1604E-03	-9.1852E-02	-9.5877E-03	-1.7335E-01	-1.7725E-02	-2.4750E-01

TAU = 0.400				TAU = 0.500				TAU = 0.600				TAU = 0.800				
Z(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	
0.0171	1.0202E 00	5.3755E-03	1.0204E 00	4.6843E-03	1.0205E 00	4.1466E-03	1.0207E 00	3.3465E-03								
0.0935	1.0739E 00	4.9210E-02	1.0751E 00	3.5253E-02	1.0758E 00	2.8309E-02	1.0769E 00	2.1342E-02								
0.2475	1.1478E 00	2.9015E-01	1.1361E 00	2.2019E-01	1.1409E 00	1.4547E-01	1.1467E 00	1.0831E-01								
0.5106	1.1657E 00	5.9400E-01	1.1514E 00	5.2075E-01	1.1595E 00	4.5474E-01	1.2104E 00	3.4886E-01								
0.9128	1.1865E 00	8.1468E-01	1.2007E 00	7.6212E-01	1.2270E 00	7.1168E-01	1.2270E 00	6.1005E-01								
1.6574	1.2004E 00	9.7576E-01	1.2275E 00	9.5176E-01	1.2508E 00	9.2589E-01	1.2808E 00	8.7072E-01								
3.4925	1.2102E 00	1.0968E 00	1.2411E 00	1.0999E 00	1.2684E 00	1.0995E 00	1.3144E 00	1.0905E 00								
9.2178	1.2161E 00	1.1716E 00	1.2493E 00	1.1934E 00	1.2791E 00	1.2117E 00	1.3306E 00	1.2399E 00								
48.0334	1.2190E 00	1.2103E 00	1.2535E 00	1.2424E 00	1.2847E 00	1.2714E 00	1.3391E 00	1.3211E 00								

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1	8.6040E-01	7.5221E-01	6.0106E-01	6.5969E-01	1.9516E 00	6.6772E-01	1.2172E 00	5.3995E-01
0	1.1632E 00	6.4847E-01	1.1808E 00	6.0106E-01	1.1951E 00	6.5969E-01	1.2172E 00	4.9030E-01
1	-2.6873E-02	-3.1577E-01	-3.6639E-02	-3.7907E-01	-4.6760E-02	-4.3810E-01	-6.7371E-02	-5.4522E-01

TAU = 1.000				TAU = 1.500				TAU = 2.000				TAU = 2.500				
Z(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	
0.0171	1.0208E 00	2.7711E-03	1.0209E 00	1.8473E-03	1.0210E 00	1.2974E-03	1.0210E 00	9.5176E-04								
0.0935	1.0775E 00	1.7345E-02	1.0784E 00	1.1382E-02	1.0789E 00	7.9661E-03	1.0791E 00	5.7908E-03								
0.2475	1.1498E 00	7.5050E-02	1.1533E 00	3.9694E-02	1.1548E 00	2.5940E-02	1.1555E 00	1.8386E-02								
0.5106	1.2210E 00	2.7022E-01	1.2334E 00	1.5014E-01	1.2395E 00	9.0213E-02	1.2418E 00	5.8326E-02								
0.9128	1.2718E 00	5.3552E-01	1.3040E 00	3.7232E-01	1.3179E 00	2.5912E-01	1.3249E 00	1.8163E-01								
1.6574	1.3176E 00	8.1392E-01	1.3656E 00	6.7557E-01	1.3937E 00	5.5170E-01	1.4086E 00	4.4605E-01								
3.4925	1.3517E 00	1.0748E 00	1.4148E 00	1.0138E 00	1.4621E 00	9.3756E-01	1.4905E 00	8.5593E-01								
9.2178	1.3736E 00	1.2593E 00	1.4552E 00	1.2809E 00	1.5171E 00	1.2769E 00	1.5518E 00	1.2566E 00								
48.0334	1.3853E 00	1.3624E 00	1.4751E 00	1.4394E 00	1.5397E 00	1.4906E 00	1.5875E 00	1.5244E 00								

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1	4.4747E-01	2.1135E-01	2.9930E-01	2.6069E-01	2.1135E-01	2.1135E-01	1.2781E 00	2.1055E-01
0	1.2331E 00	4.3421E-01	1.2576E 00	3.3091E-01	1.2707E 00	2.6069E-01	1.2781E 00	2.1055E-01
1	-8.7750E-02	-6.4016E-01	-1.3495E-01	-8.3671E-01	-1.7515E-01	-9.9038E-01	-2.0845E-01	-1.1136E 00

TAU = 3.000				TAU = 3.500				TAU = 4.000				TAU = 4.500				
Z(J)	X(J)	Y(J)	X(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	
0.0171	1.0210E 00	7.1393E-04	1.0210E 00	5.4710E-04	1.0211E 00	4.2711E-04	1.0211E 00	3.3863E-04								
0.0935	1.0792E 00	4.3268E-03	1.0793E 00	3.3050E-03	1.0793E 00	2.5721E-03	1.0793E 00	2.0348E-03								
0.2475	1.1558E 00	1.3564E-02	1.1560E 00	1.0269E-02	1.1562E 00	7.9353E-03	1.1562E 00	6.2397E-03								
0.5106	1.2430E 00	4.0078E-02	1.2436E 00	2.8870E-02	1.2439E 00	2.1553E-02	1.2441E 00	1.6537E-02								
0.9128	1.3285E 00	1.2869E-01	1.3305E 00	9.2426E-02	1.3316E 00	6.7405E-02	1.3322E 00	4.9979E-02								
1.6574	1.4180E 00	3.5833E-01	1.4238E 00	2.8671E-01	1.4273E 00	2.2889E-01	1.4296E 00	1.8257E-01								
3.4925	1.5097E 00	7.7446E-01	1.5228E 00	6.9624E-01	1.5319E 00	6.2292E-01	1.5383E 00	5.5529E-01								
9.2178	1.5981E 00	1.2260E 00	1.6025E 00	1.1888E 00	1.6186E 00	1.1476E 00	1.6309E 00	1.1042E 00								
48.0334	1.6235E 00	1.5461E 00	1.6512E 00	1.5591E 00	1.6727E 00	1.5657E 00	1.6897E 00	1.5677E 00								

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1	1.1604E-01	8.0982E-02	1.2855E 00	1.4555E-01	1.2873E 00	1.2389E-01	1.2886E 00	1.0688E-01
0	1.2826E 00	1.7354E-01	-2.5811E-01	-1.2982E 00	-2.7648E-01	-1.3691E 00	-2.9165E-01	-1.4297E 00
1	-2.3575E-01	-1.2144E 00						

<u>OMEGA = 0.70</u>											
TAU = 5.000			TAU = 7.500			TAU = 10.00			TAU = 15.00		
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	
0.0171	1.0211E 00	2.7249E-04	1.0211E 00	1.1300E-04	1.0211E 00	5.5087E-05	1.0211E 00	2.0583E-05			
0.0935	1.0794E 00	1.6337E-03	1.0794E 00	6.5233E-04	1.0794E 00	3.2553E-04	1.0794E 00	1.2105E-04			
0.2475	1.1563E 00	4.9827E-03	1.1564E 00	1.9500E-03	1.1564E 00	9.6058E-04	1.1564E 00	3.5212E-04			
0.5106	1.2443E 00	1.2966E-02	1.2445E 00	4.8132E-03	1.2445E 00	2.3044E-03	1.2445E 00	8.2025E-04			
0.9128	1.3326E 00	3.7702E-02	1.3332E 00	1.1822E-02	1.3332E 00	5.1653E-03	1.3333E 00	1.7104E-03			
1.6574	1.4310E 00	1.4567E-01	1.4334E 00	4.8743E-02	1.4337E 00	1.8378E-02	1.4338E 00	4.4056E-03			
3.4925	1.5629E 00	4.9363E-01	1.5526E 00	2.6745E-01	1.5548E 00	1.4262E-01	1.5557E 00	4.1225E-02			
9.2178	1.6602E 00	1.0597E 00	1.6644E 00	8.4337E-01	1.6728E 00	6.5910E-01	1.6781E 00	3.9517E-01			
48.0334	1.7633E 00	1.5660E 00	1.7421E 00	1.5284E 00	1.7588E 00	1.4699E 00	1.7726E 00	1.3407E 00			
N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	
-1		4.4388E-02		1.7918E-02		9.0005E-03				3.3734E-03	
0	1.2894E 00	9.3294E-02	1.2913E 00	5.6169E-02	1.2918E 00	3.6689E-02	1.2921E 00	2.1500E-02			
1	-3.0426E-01	-1.4822E 00	-3.4345E-01	-1.6672E 00	-3.6267E-01	-1.7822E 00	-3.8061E-01	-1.9251E 00			
TAU = 20.00			TAU = 25.00			TAU = 30.00			TAU = 40.00		
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	
0.0171	1.0211E 00	9.0010E-06	1.0211E 00	1.0197E-05	1.0211E 00	4.0496E-06	1.0211E 00	2.1237E-06			
0.0935	1.0794E 00	6.0864E-05	1.0794E 00	3.5951E-05	1.0794E 00	2.3632E-05	1.0794E 00	1.2433E-05			
0.2475	1.1564E 00	1.7557E-04	1.1564E 00	1.0351E-04	1.1564E 00	6.7786E-05	1.1564E 00	3.5534E-05			
0.5106	1.2443E 00	4.0330E-04	1.2445E 00	2.3602E-04	1.2445E 00	1.5375E-04	1.2445E 00	8.0072E-05			
0.9128	1.3333E 00	8.1800E-04	1.3333E 00	4.7199E-04	1.3333E 00	3.0478E-04	1.3333E 00	1.5702E-04			
1.6574	1.4338E 00	1.8422E-03	1.4338E 00	1.0133E-03	1.4338E 00	6.3936E-04	1.4339E 00	3.2157E-04			
3.4925	1.5558E 00	1.3056E-02	1.5558E 00	4.9060E-03	1.5559E 00	2.3014E-03	1.5559E 00	8.8291E-04			
9.2178	1.6794E 00	2.3560E-01	1.6798E 00	1.3952E-01	1.6800E 00	8.2933E-02	1.6801E 00	2.9658E-02			
48.0334	1.7780E 00	1.2152E 00	1.7806E 00	1.0989E 00	1.7821E 00	9.9269E-01	1.7837E 00	8.0880E-01			
N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	
-1		1.6984E-03		1.0173E-03		6.6388E-04				3.5000E-04	
0	1.2921E 00	1.4927E-02	1.2922E 00	1.1334E-02	1.2922E 00	9.0900E-03	1.2922E 00	6.4541E-03			
1	-3.8888E-01	-2.0160E 00	-3.9358E-01	-2.0817E 00	-3.9660E-01	-2.1330E 00	-4.0025E-01	-2.2099E 00			
TAU = 50.00			TAU = 75.00			TAU = 100.0			TAU = 200.0		
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	
0.0171	1.0211E 00	1.3580E-06	1.0211E 00	0.0000E-39	1.0211E 00	2.1126E-07	1.0211E 00	4.8620E-08			
0.0935	1.0794E 00	7.8973E-06	1.0794E 00	3.9183E-06	1.0794E 00	2.2430E-06	1.0794E 00	2.8304E-07			
0.2475	1.1564E 00	2.2515E-05	1.1564E 00	1.1027E-05	1.1564E 00	6.3728E-06	1.1564E 00	8.0474E-07			
0.5106	1.2445E 00	5.0520E-05	1.2445E 00	2.4567E-05	1.2445E 00	1.4226E-05	1.2445E 00	1.7976E-06			
0.9128	1.3333E 00	9.8375E-05	1.3333E 00	4.7495E-05	1.3333E 00	2.7479E-05	1.3333E 00	3.4702E-06			
1.6574	1.4339E 00	1.9852E-04	1.4339E 00	9.4314E-05	1.4339E 00	5.4527E-05	1.4339E 00	6.8839E-06			
3.4925	1.5559E 00	5.0297E-04	1.5559E 00	2.2637E-04	1.5559E 00	1.2991E-04	1.5559E 00	1.6383E-05			
9.2178	1.6801E 00	1.0981E-02	1.6801E 00	1.4037E-03	1.6801E 00	1.7155E-04	1.6801E 00	5.3514E-05			
48.0334	1.7844E 00	6.5834E-01	1.7851E 00	3.9304E-01	1.7853E 00	2.3455E-01	1.7855E 00	2.9740E-02			
N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	
-1		2.2866E-04		1.0780E-04		6.2957E-05				7.9930E-06	
0	1.2922E 00	4.9315E-03	1.2922E 00	2.8187E-03	1.2922E 00	1.6732E-03	1.2922E 00	2.1200E-04			
1	-4.0243E-01	-2.2667E 00	-4.0555E-01	-2.3610E 00	-4.0730E-01	-2.4162E 00	-4.0959E-01	-2.4873E 00			
TAU = 252.8			U(J)			Z(J)			H(J)		
Z(J)	X(J)	Y(J)	U(J)	Z(J)	H(J)	Z(J)	H(J)		Z(J)	H(J)	
0.0171	1.0211E 00	1.6316E-08	1.6768E-02	1.7054E-02	3.1237E-02						
0.0935	1.0794E 00	9.5149E-08	8.5547E-02	9.3550E-02	7.8757E-02						
0.2475	1.1564E 00	2.7053E-07	1.9838E-01	2.4748E-01	1.4267E-01						
0.5106	1.2445E 00	6.0398E-07	3.3801E-01	5.1059E-01	2.3480E-01						
0.9128	1.3333E 00	1.1666E-06	4.7721E-01	9.1280E-01	3.0771E-01						
1.6574	1.4339E 00	2.3141E-06	6.2369E-01	1.6574E 00	1.2427E-01						
3.4925	1.5559E 00	5.5075E-06	7.7741E-01	3.4925E 00	5.1584E-02						
9.2178	1.6801E 00	1.7989E-05	9.0213E-01	9.2178E 00	2.1997E-02						
48.0334	1.7855E 00	9.9976E-03	9.7961E-01	4.8033E 01	6.9770E-03						
N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	
-1		2.6869E-06									
0	1.2922E 00	7.1268E-05									
1	-4.0981E-01	-2.4941E 00									

OMEGA = C.80

TAU = 0.050		TAU = 0.100		TAU = 0.200		TAU = 0.300	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)
0.0171	1.0212E 00	6.8691E-02	1.0223E 00	1.5039E-02	1.0229E 00	9.1694E-03	1.0233E 00
0.0935	1.0446E 00	6.2777E-01	1.0629E 00	3.9706E-01	1.0784E 00	1.7315E-01	1.0842E 00
0.2475	1.0511E 00	8.6692E-01	1.0802E 00	7.4302E-01	1.1169E 00	5.4730E-01	1.1388E 00
0.5106	1.0534E 00	9.5950E-01	1.0871E 00	9.0670E-01	1.1360E 00	8.0291E-01	1.1707E 00
0.9128	1.0544E 00	1.0008E 00	1.0903E 00	9.8501E-01	1.1454E 00	9.4317E-01	1.1876E 00
1.6574	1.0550E 00	1.0251E 00	1.0921E 00	1.0327E 00	1.1512E 00	1.0344E 00	1.1985E 00
3.4925	1.0554E 00	1.0411E 00	1.0934E 00	1.0647E 00	1.1552E 00	1.0979E 00	1.2060E 00
9.2178	1.0556E 00	1.0502E 00	1.0941E 00	1.0831E 00	1.1574E 00	1.1354E 00	1.2105E 00
48.0334	1.0557E 00	1.0547E 00	1.0944E 00	1.0923E 00	1.1586E 00	1.1543E 00	1.2127E 00
1.02062E 00							

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		2.0276E 00						
0	1.0521E 00	9.2006E-01	1.0843E 00	8.6844E-01	1.1316E 00	7.8896E-01	1.1664E 00	7.2699E-01
1	-1.1606E-03	-4.7774E-02	-3.6684E-03	-9.2519E-02	-1.1259E-02	-1.7560E-01	-2.1036E-02	-2.5202E-01

TAU = 0.400		TAU = 0.500		TAU = 0.600		TAU = 0.800	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)
0.0171	1.0236E 00	6.4743E-03	1.0238E 00	5.7027E-03	1.0240E 00	5.1009E-03	1.0242E 00
0.0935	1.0869E 00	5.6343E-02	1.0886E 00	4.1836E-02	1.0897E 00	3.4436E-02	1.0913E 00
0.2475	1.1526E 00	3.0871E-01	1.1619E 00	2.3836E-01	1.1683E 00	1.8806E-01	1.1764E 00
0.5106	1.1966E 00	6.2386E-01	1.2166E 00	5.5012E-01	1.2323E 00	4.8590E-01	1.2548E 00
0.9128	1.2216E 00	8.4731E-01	1.2496E 00	7.9917E-01	1.2731E 00	7.5240E-01	1.3100E 00
1.6574	1.2382E 00	1.0120E 00	1.2723E 00	9.9415E-01	1.3021E 00	9.7375E-01	1.3517E 00
3.4925	1.2500E 00	1.1358E 00	1.2888E 00	1.1463E 00	1.3236E 00	1.1529E 00	1.3838E 00
9.2178	1.2570E 00	1.2122E 00	1.2987E 00	1.2423E 00	1.3367E 00	1.2686E 00	1.4039E 00
48.0334	1.2605E 00	1.2518E 00	1.3039E 00	1.2927E 00	1.3435E 00	1.3301E 00	1.4145E 00
1.3962E 00							

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		9.0552E-01						
0	1.1937E 00	6.7564E-01	1.2159E 00	6.3158E-01	1.2344E 00	5.9298E-01	1.2636E 00	5.2785E-01
1	-3.2208E-02	-3.2310E-01	-4.4321E-02	-3.8971E-01	-5.7064E-02	-4.5242E-01	-8.3587E-02	-5.6791E-01

TAU = 1.000		TAU = 1.500		TAU = 2.000		TAU = 2.500	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)
0.0171	1.0244E 00	3.5464E-03	1.0246E 00	2.4749E-03	1.0247E 00	1.8205E-03	1.0248E 00
0.0935	1.0924E 00	2.2228E-02	1.0939E 00	1.5295E-02	1.0947E 00	1.1178E-02	1.0952E 00
0.2475	1.1810E 00	9.0609E-02	1.1868E 00	5.2237E-02	1.1894E 00	3.6153E-02	1.1908E 00
0.5106	1.2697E 00	3.0324E-01	1.2897E 00	1.8037E-01	1.2985E 00	1.1619E-01	1.3029E 00
0.9128	1.3373E 00	5.8544E-01	1.3796E 00	4.2484E-01	1.4016E 00	3.0923E-01	1.4137E 00
1.6574	1.3911E 00	8.7873E-01	1.4596E 00	7.5212E-01	1.5014E 00	6.3260E-01	1.5275E 00
3.4925	1.4341E 00	1.1524E 00	1.5292E 00	1.1138E 00	1.5945E 00	1.0525E 00	1.6404E 00
9.2178	1.4618E 00	1.3454E 00	1.5767E 00	1.3980E 00	1.6615E 00	1.4188E 00	1.7254E 00
48.0334	1.4765E 00	1.4532E 00	1.6028E 00	1.5662E 00	1.6995E 00	1.6487E 00	1.7751E 00
1.7094E 00							

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		5.0058E-01						
0	1.2854E 00	4.7451E-01	1.3209E 00	3.7441E-01	1.3413E 00	3.0415E-01	1.3539E 00	2.5228E-01
1	-1.1055E-01	-6.7219E-01	-1.7590E-01	-8.9467E-01	-2.3504E-01	-1.0757E 00	-2.8679E-01	-1.2259E 00

TAU = 3.000		TAU = 3.500		TAU = 4.000		TAU = 4.500	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)
0.0171	1.0249E 00	1.07539E-03	1.0249E 00	8.5153E-04	1.0249E 00	6.4852E-04	1.0249E 00
0.0935	1.0954E 00	6.5535E-03	1.0956E 00	5.1755E-03	1.0957E 00	4.1512E-03	1.0958E 00
0.2475	1.1917E 00	2.0572E-02	1.1922E 00	1.6132E-02	1.1925E 00	1.2867E-02	1.1927E 00
0.5106	1.3053E 00	5.8329E-02	1.3066E 00	4.4123E-02	1.3075E 00	3.4340E-02	1.3080E 00
0.9128	1.4205E 00	1.6863E-01	1.4245E 00	1.2697E-01	1.4249E 00	1.7005E-02	1.4248E 00
1.6574	1.5442E 00	4.3490E-01	1.5550E 00	3.5780E-01	1.5620E 00	2.9365E-01	1.5667E 00
3.4925	1.6730E 00	9.0236E-01	1.6956E 00	8.2456E-01	1.7136E 00	7.4896E-01	1.7262E 00
9.2178	1.7743E 00	1.4021E 00	1.8121E 00	1.3754E 00	1.8416E 00	1.3414E 00	1.8646E 00
48.0334	1.8350E 00	1.7539E 00	1.8831E 00	1.7860E 00	1.9221E 00	1.8005E 00	1.9540E 00
1.8237E 00							

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		1.5255E-01						
0	1.3619E 00	2.1274E-01	1.3673E 00	1.8188E-01	1.3709E 00	1.5735E-01	1.3735E 00	1.3754E-01
1	-3.1319E-01	-1.3524E 00	-3.6960E-01	-1.4603E 00	-4.0227E-01	-1.5532E 00	-4.3025E-01	-1.6334E 00



DMEGA = 0.80

TAU = 5.000		TAU = 7.500		TAU = 10.00		TAU = 15.00		
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)
0.0171	1.0249E 00	6.5940E-04	1.0249E 00	2.0329E-04	1.0249E 00	1.0445E-04	1.0249E 00	3.9613E-05
0.0935	1.0959E 00	2.7756E-03	1.0959E 00	1.2043E-03	1.0959E 00	6.2395E-04	1.0959E 00	2.3527E-04
0.2475	1.1932E 00	8.5266E-03	1.1931E 00	3.6425E-03	1.1931E 00	1.8678E-03	1.1932E 00	6.9556E-04
0.5106	1.3084E 00	2.2073E-02	1.3090E 00	9.0719E-03	1.3092E 00	4.5499E-03	1.3092E 00	1.6521E-03
0.9128	1.4294E 00	5.9190E-02	1.4311E 00	2.1745E-02	1.4314E 00	1.0247E-02	1.4316E 00	3.5135E-03
1.6574	1.5699E 00	1.9746E-01	1.5758E 00	7.5725E-02	1.5769E 00	3.2328E-02	1.5772E 00	8.9568E-03
3.4925	1.7354E 00	6.0996E-01	1.7567E 00	3.5003E-01	1.7624E 00	1.9616E-01	1.7648E 00	6.2335E-02
9.2178	1.8832E 00	1.2597E 00	1.9340E 00	1.0321E 00	1.9534E 00	8.2175E-01	1.9659E 00	5.0452E-01
48.0334	1.9804E 00	1.8329E 00	2.0605E 00	1.8256E 00	2.0979E 00	1.7749E 00	2.1297E 00	1.6363E 00

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		6.5284E-02		2.8564E-02		1.4680E-02		5.6500E-03
0	1.3754E 00	1.2134E-01	1.3796E 00	7.2350E-02	1.3809E 00	4.9136E-02	1.3816E 00	2.8432E-02
1	-4.5427E-01	-1.7050E 00	-5.3400E-01	-1.9602E 00	-5.7623E-01	-2.1205E 00	-6.1718E-01	-2.3171E 00

TAU = 20.00		TAU = 25.00		TAU = 30.00		TAU = 40.00		
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)
0.0171	1.0249E 00	1.9753E-05	1.0249E 00	1.1595E-05	1.0249E 00	9.6044E-06	1.0249E 00	3.8991E-06
0.0935	1.0959E 00	1.1698E-04	1.0959E 00	6.8457E-05	1.0959E 00	4.4418E-05	1.0959E 00	2.2978E-05
0.2475	1.1932E 00	3.4347E-04	1.1932E 00	2.0016E-04	1.1932E 00	1.2959E-04	1.1932E 00	6.6754E-05
0.5106	1.3093E 00	8.0506E-04	1.3093E 00	4.6550E-04	1.3093E 00	2.9988E-04	1.3093E 00	1.5344E-04
0.9128	1.4316E 00	1.6685E-03	1.4316E 00	9.5111E-04	1.4316E 00	6.0735E-04	1.4316E 00	3.0734E-04
1.6574	1.5773E 00	3.8417E-03	1.5773E 00	2.0963E-03	1.5773E 00	1.3035E-03	1.5773E 00	6.4581E-04
3.4925	1.7651E 00	2.1825E-02	1.7651E 00	9.0290E-03	1.7652E 00	4.5404E-03	1.7652E 00	1.8197E-03
9.2178	1.9692E 00	3.0509E-01	1.9702E 00	1.8378E-01	1.9706E 00	1.1082E-01	1.9708E 00	4.0961E-02
48.0334	2.1423E 00	1.4907E 00	2.1485E 00	1.3521E 00	2.1519E 00	1.2239E 00	2.1554E 00	9.9980E-01

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		2.8203E-03		1.6544E-03		1.0797E-03		5.5740E-04
0	1.3818E 00	1.9476E-02	1.3819E 00	1.4639E-02	1.3819E 00	1.1653E-02	1.3819E 00	8.1928E-03
1	-6.3620E-01	-2.4393E 00	-6.4693E-01	-2.5263E 00	-6.5937E-01	-2.5932E 00	-6.6193E-01	-2.6926E 00

TAU = 50.00		TAU = 75.00		TAU = 100.0		TAU = 200.0		
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)
0.0171	1.0249E 00	1.3546E-06	1.0249E 00	1.1724E-06	1.0249E 00	6.3460E-07	1.0249E 00	0.0000E-39
0.0935	1.0959E 00	1.4395E-05	1.0959E 00	6.8904E-06	1.0959E 00	3.9973E-06	1.0959E 00	5.3410E-07
0.2475	1.1932E 00	4.1682E-05	1.1932E 00	1.9918E-05	1.1932E 00	1.1549E-05	1.1932E 00	1.4974E-06
0.5106	1.3093E 00	9.5370E-05	1.3093E 00	4.5376E-05	1.3093E 00	2.6290E-05	1.3093E 00	3.3810E-06
0.9128	1.4316E 00	1.8964E-04	1.4316E 00	8.9596E-05	1.4316E 00	5.1833E-05	1.4316E 00	6.6434E-06
1.6574	1.5773E 00	3.9251E-04	1.5773E 00	1.8254E-04	1.5773E 00	1.0537E-04	1.5773E 00	1.3476E-05
3.4925	1.7652E 00	1.0285E-03	1.7652E 00	4.5248E-04	1.7652E 00	2.5891E-04	1.7652E 00	3.3033E-05
9.2178	1.9709E 00	1.5871E-02	1.9709E 00	2.4523E-03	1.9709E 00	9.4260E-04	1.9709E 00	1.1239E-04
48.0334	2.1570E 00	8.1528E-01	2.1586E 00	4.8838E-01	2.1591E 00	2.9233E-01	2.1593E 00	3.7507E-02

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		3.4734E-04		1.6765E-04		9.7184E-05		1.2319E-05
0	1.3819E 00	5.2271E-03	1.3820E 00	3.5490E-03	1.3820E 00	2.1109E-03	1.3820E 00	2.7061E-04
1	-6.6673E-01	-2.7651E 00	-6.7349E-01	-2.8849E 00	-6.7725E-01	-2.9549E 00	-6.8219E-01	-3.0455E 00

TAU = 264.4					
Z(J)	X(J)	Y(J)	U(J)	Z(J)	H(J)
0.0171	1.0249E 00	7.1021E-08	1.6768E-02	1.7054E-02	3.1237E-02
0.0935	1.0959E 00	1.3511E-07	8.5547E-02	0.3550E-02	7.0757E-02
0.2475	1.1932E 00	3.9191E-07	1.9838E-01	2.4744E-01	1.4267E-01
0.5106	1.3093E 00	8.9302E-07	2.3801E-01	5.1050E-01	2.3478E-01
0.9128	1.4316E 00	1.7611E-06	4.7721E-01	9.1280E-01	3.0771E-01
1.6574	1.5773E 00	3.5796E-06	6.2369E-01	1.65574E 00	1.2427E-01
3.4925	1.7652E 00	8.7855E-06	7.7741E-01	3.4925E 00	5.1586E-02
9.2178	1.9709E 00	2.9647E-05	9.0213E-01	9.2178E 00	2.1997E-02
48.0334	2.1593E 00	9.9860E-03	9.7961E-01	4.8033E 01	6.9770E-03

N	ALPHA(N)	BETA(N)
-1		3.3935E-06
0	1.3820E 00	7.2043E-05
1	-6.8273E-01	-3.0553E 00

OMEGA = 0.90

TAU = 0.050		TAU = 0.100		TAU = 0.200		TAU = 0.300		
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)		
0.0171	1.0240E 00	7.0770E-02	1.0253E 00	1.6792E-02	1.0262E 00	1.6288E-02	1.0267E 00	8.4846E-03
0.0935	1.0506E 00	6.3338E-01	1.0717E 00	4.0466E-01	1.0901E 00	1.8176E-01	1.0972E 00	9.7811E-02
0.2475	1.0580E 00	8.7360E-01	1.0914E 00	7.5365E-01	1.1346E 00	5.6293E-01	1.1609E 00	4.2605E-01
0.5106	1.0662E 00	9.6657E-01	1.0993E 00	9.1861E-01	1.1566E 00	8.2235E-01	1.1982E 00	7.3313E-01
0.9128	1.0617E 00	1.0080E 00	1.1029E 00	9.9750E-01	1.1675E 00	9.6454E-01	1.2180E 00	9.2477E-01
1.6574	1.0624E 00	1.0324E 00	1.1051E 00	1.0456E 00	1.1742E 00	1.0570E 00	1.2308E 00	1.0574E 00
3.4925	1.0628E 00	1.0485E 00	1.1065E 00	1.0778E 00	1.1788E 00	1.1214E 00	1.2396E 00	1.1534E 00
9.2178	1.0631E 00	1.0576E 00	1.1073E 00	1.0963E 00	1.1814E 00	1.1593E 00	1.2447E 00	1.2112E 00
48.0334	1.0632E 00	1.0621E 00	1.1077E 00	1.1056E 00	1.1827E 00	1.1784E 00	1.2474E 00	1.2408E 00

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1	1.0590E 00	2.0463E 00	1.0961E 00	1.6617E 00	1.1516E 00	1.2991E 00	1.1932E 00	1.0924E 00
0	9.2691E-01	8.7991E-01	-4.1923E-03	-9.3202E-02	-1.3024E-02	-1.7794E-01	-2.4604E-02	-2.5680E-01

TAU = 0.400		TAU = 0.500		TAU = 0.600		TAU = 0.800		
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)		
0.0171	1.0271E 00	7.6906E-03	1.0274E 00	6.8529E-03	1.0276E 00	6.1998E-03	1.0280E 00	5.2208E-03
0.0935	1.1009E 00	6.4213E-02	1.1031E 00	4.9258E-02	1.1048E 00	4.1484E-02	1.1071E 00	3.3241E-02
0.2475	1.1781E 00	3.2841E-01	1.1900E 00	2.5865E-01	1.1985E 00	2.0846E-01	1.2096E 00	1.4512E-01
0.5106	1.2301E 00	6.5325E-01	1.2551E 00	5.8279E-01	1.2753E 00	5.2107E-01	1.3053E 00	4.2009E-01
0.9128	1.2595E 00	8.8261E-01	1.2945E 00	8.4008E-01	1.3244E 00	7.9820E-01	1.3729E 00	7.1835E-01
1.6574	1.2792E 00	1.0513E 00	1.3216E 00	1.0410E 00	1.3594E 00	1.0275E 00	1.4241E 00	9.9439E-01
3.4925	1.2931E 00	1.1781E 00	1.3413E 00	1.1975E 00	1.3853E 00	1.2128E 00	1.4633E 00	1.2337E 00
9.2178	1.3014E 00	1.2562E 00	1.3531E 00	1.2962E 00	1.4012E 00	1.3323E 00	1.4883E 00	1.3950E 00
48.0334	1.3056E 00	1.2968E 00	1.3592E 00	1.3481E 00	1.4094E 00	1.3958E 00	1.5013E 00	1.4827E 00

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1	9.5482E-01	7.0522E-01	1.2545E 00	8.5336E-01	1.2781E 00	7.7350E-01	1.3165E 00	5.7140E-01
0	7.0522E-01	-3.3101E-01	-5.2914E-02	-4.0133E-01	-6.8791E-02	-4.6830E-01	-1.0265E-01	-5.9371E-01

TAU = 1.000		TAU = 1.500		TAU = 2.000		TAU = 2.500		
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)		
0.0171	1.0282E 00	4.5059E-03	1.0287E 00	3.3178E-03	1.0289E 00	2.5710E-03	1.0290E 00	2.0535E-03
0.0935	1.1088E 00	2.8283E-02	1.1115E 00	2.0568E-02	1.1130E 00	1.5848E-02	1.1139E 00	1.2614E-02
0.2475	1.2165E 00	1.0968E-01	1.2260E 00	6.9014E-02	1.2309E 00	5.0956E-02	1.2338E 00	3.9942E-02
0.5106	1.3261E 00	3.4313E-01	1.3564E 00	2.1996E-01	1.3716E 00	1.5297E-01	1.3802E 00	1.1347E-01
0.9128	1.4101E 00	6.4509E-01	1.4721E 00	4.9250E-01	1.5080E 00	3.7846E-01	1.5298E 00	2.9412E-01
1.6574	1.4774E 00	9.5588E-01	1.5760E 00	8.4964E-01	1.6418E 00	7.4235E-01	1.6868E 00	6.4193E-01
3.4925	1.5312E 00	1.2444E 00	1.6668E 00	1.2402E 00	1.7679E 00	1.2064E 00	1.8447E 00	1.1546E 00
9.2178	1.5659E 00	1.4474E 00	1.7289E 00	1.5453E 00	1.8590E 00	1.6076E 00	1.9647E 00	1.6435E 00
48.0334	1.5843E 00	1.5606E 00	1.7631E 00	1.7255E 00	1.9108E 00	1.8582E 00	2.0350E 00	1.9664E 00

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1	5.6428E-01	5.2279E-01	1.3982E 00	4.3035E-01	1.4309E 00	3.6378E-01	1.4529E 00	3.1311E-01
0	5.2279E-01	-7.0953E-01	-2.2907E-01	-9.6615E-01	-3.1766E-01	-1.1863E 00	-4.0087E-01	-1.3782E 00

TAU = 3.000		TAU = 3.500		TAU = 4.000		TAU = 4.500		
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)		
0.0171	1.0291E 00	1.6750E-03	1.0292E 00	1.3846E-03	1.0293E 00	1.1650E-03	1.0293E 00	9.8795E-04
0.0935	1.1145E 00	1.0263E-02	1.1149E 00	8.4975E-03	1.1152E 00	7.1115E-03	1.1154E 00	6.0223E-03
0.2475	1.2357E 00	3.2241E-02	1.2370E 00	2.6522E-02	1.2379E 00	2.2129E-02	1.2385E 00	1.8677E-02
0.5106	1.3885E 00	8.8157E-02	1.3889E 00	7.0732E-02	1.3912E 00	5.8047E-02	1.3928E 00	4.8429E-02
0.9128	1.5634E 00	2.3163E-01	1.5525E 00	1.8498E-01	1.5586E 00	1.4977E-01	1.5627E 00	1.2246E-01
1.6574	1.7182E 00	5.5155E-01	1.7403E 00	4.7209E-01	1.7561E 00	4.0327E-01	1.7674E 00	3.4430E-01
3.4925	1.9038E 00	1.0921E 00	1.9495E 00	1.0238E 00	1.9851E 00	9.5311E-01	2.0130E 00	8.8249E-01
9.2178	2.0514E 00	1.6592E 00	2.1231E 00	1.6593E 00	2.1827E 00	1.6671E 00	2.2324E 00	1.6254E 00
48.0334	2.1405E 00	2.0550E 00	2.2308E 00	2.1276E 00	2.3085E 00	2.1869E 00	2.3757E 00	2.2350E 00

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1	2.1066E-01	1.7464E-01	1.4794E 00	2.4084E-01	1.4876E 00	2.1424E-01	1.4937E 00	1.9200E-01
0	2.4084E-01	2.7314E-01	-5.4759E-01	-1.6978E 00	-6.1113E-01	-1.8322E 00	-6.6864E-01	-1.9530E 00

OMEGA = 0.90

		TAU = 5.000		TAU = 7.500		TAU = 10.00		TAU = 15.00	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	
0.0171	1.0293E 00	8.4544E-04	1.0294E 00	4.2978E-04	1.0294E 00	2.4932E-04	1.0294E 00	1.0312E-04	
0.0935	1.1155E 00	5.1471E-03	1.1158E 00	2.6048E-03	1.1159E 00	1.4919E-03	1.1160E 00	6.2033E-04	
0.2475	1.2389E 00	1.5916E-02	1.2400E 00	7.9704E-03	1.2402E 00	4.5340E-03	1.2404E 00	1.6888E-03	
0.5106	1.3940E 00	4.0917E-02	1.3965E 00	1.9984E-02	1.3973E 00	1.1207E-02	1.3976E 00	4.5406E-03	
0.9128	1.5656E 00	1.0202E-01	1.5718E 00	4.6634E-02	1.5735E 00	2.5236E-02	1.5743E 00	9.8623E-03	
1.6574	1.7757E 00	2.9610E-01	1.7941E 00	1.3814E-01	1.7989E 00	7.0616E-02	1.8010E 00	2.4759E-02	
3.4925	2.0350E 00	8.1354E-01	2.0931E 00	5.1976E-01	2.1127E 00	3.2158E-01	2.1228E 00	1.2339E-01	
9.2178	2.2742E 00	1.5964E 00	2.4041E 00	1.3910E 00	2.4638E 00	1.1584E 00	2.5085E 00	7.5800E-01	
48.0334	2.4341E 00	2.2738E 00	2.6343E 00	2.3703E 00	2.7447E 00	2.3715E 00	2.8514E 00	2.2578E 00	

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		1.0647E-01		5.4184E-02		3.1156E-02		1.3017E-02
0	1.4985E 00	1.7319E-01	1.5107E 00	1.1151E-01	1.5151E 00	7.8595E-02	1.5180E 00	4.6288E-02
1	-7.2063E-01	-2.0622E 00	-9.1522E-01	-2.4793E 00	-1.0366E 00	-2.7584E 00	-1.1705E 00	-3.1093E 00

		TAU = 20.00		TAU = 25.00		TAU = 30.00		TAU = 40.00	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	
0.0171	1.0294E 00	5.2879E-05	1.0294E 00	3.1045E-05	1.0294E 00	1.8962E-05	1.0294E 00	1.0103E-05	
0.0935	1.1160E 00	3.1736E-04	1.1160E 00	1.8600E-04	1.1160E 00	1.1948E-04	1.1160E 00	6.0407E-05	
0.2475	1.2404E 00	9.5093E-04	1.2404E 00	5.5530E-04	1.2404E 00	3.5681E-04	1.2404E 00	1.7924E-04	
0.5106	1.3977E 00	2.2868E-03	1.3977E 00	1.3264E-03	1.3977E 00	8.4624E-04	1.3977E 00	4.2364E-04	
0.9128	1.5744E 00	4.8725E-03	1.5745E 00	2.7923E-03	1.5745E 00	1.7712E-03	1.5745E 00	8.7475E-04	
1.6574	1.8014E 00	1.1508E-02	1.8015E 00	6.3819E-03	1.8015E 00	3.6978E-03	1.8015E 00	1.9134E-03	
3.4925	2.1246E 00	5.1501E-02	2.1250E 00	2.4564E-02	2.1252E 00	1.3914E-02	2.1253E 00	5.6621E-03	
9.2178	2.5217E 00	4.8038E-01	2.5262E 00	3.0123E-01	2.5280E 00	1.8870E-01	2.5290E 00	7.5534E-02	
48.0334	2.8974E 00	2.0919E 00	2.9207E 00	1.9168E 00	2.9337E 00	1.7470E 00	2.9468E 00	1.4399E 00	

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		6.6801E-03		3.9234E-03		2.5293E-03		1.2768E-03
0	1.5188E 00	3.1447E-02	1.5191E 00	2.3326E-02	1.5193E 00	1.8534E-02	1.5194E 00	1.2637E-02
1	-1.2382E 00	-3.3249E 00	-1.2775E 00	-3.4745E 00	-1.3025E 00	-3.5869E 00	-1.3322E 00	-3.7492E 00

		TAU = 50.00		TAU = 75.00		TAU = 100.0		TAU = 200.0	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	
0.0171	1.0294E 00	6.1550E-06	1.0294E 00	1.9751E-06	1.0294E 00	1.6297E-06	1.0294E 00	2.1768E-07	
0.0935	1.1160E 00	3.6720E-05	1.1160E 00	1.6842E-05	1.1160E 00	9.7066E-06	1.1160E 00	1.2793E-06	
0.2475	1.2404E 00	1.0869E-04	1.2404E 00	4.9675E-05	1.2404E 00	2.8033E-05	1.2404E 00	3.7735E-06	
0.5106	1.3977E 00	2.5562E-04	1.3977E 00	1.1622E-04	1.3977E 00	6.6934E-05	1.3977E 00	8.8197E-06	
0.9128	1.5745E 00	5.2633E-04	1.5745E 00	2.3641E-04	1.5745E 00	1.3595E-04	1.5745E 00	1.7909E-05	
1.6574	1.8015E 00	1.1298E-03	1.8015E 00	5.0071E-04	1.8015E 00	2.8699E-04	1.8015E 00	3.7784E-05	
3.4925	2.1253E 00	3.1404E-03	2.1253E 00	1.3116E-03	2.1253E 00	7.4334E-06	2.1253E 00	9.7672E-05	
9.2178	2.5292E 00	3.2138E-02	2.5293E 00	6.4858E-03	2.5294E 00	2.8178E-03	2.5294E 00	3.5038E-04	
48.0334	2.9526E 00	1.1811E 00	2.9583E 00	7.1493E-01	2.9600E 00	4.3176E-01	2.9610E 00	5.7346E-02	

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		7.7850E-04		3.5591E-04		2.0621E-04		2.7185E-05
0	1.5194E 00	9.4899E-03	1.5195E 00	5.3691E-03	1.5195E 00	3.2109E-03	1.5195E 00	4.2577E-04
1	-1.3492E 00	-3.8646E 00	-1.3724E 00	-4.0517E 00	-1.3850E 00	-4.1607E 00	-1.4018E 00	-4.3040E 00

		TAU = 286.6		U(J)		Z(J)		H(J)	
Z(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	X(J)	Y(J)	
0.0171	1.0294E 00	4.4028E-08			1.6768E-02	1.7054E-02	3.1237E-02		
0.0935	1.1160E 00	2.2273E-07			8.5547E-02	9.3550E-02	7.6757E-02		
0.2475	1.2404E 00	6.5719E-07			1.9638E-01	2.4748E-01	1.2467E-01		
0.5106	1.3977E 00	1.5356E-06			3.3801E-01	5.1059E-01	2.3400E-01		
0.9128	1.5745E 00	3.1194E-06			4.1212E-01	9.1205E-01	3.9771E-01		
1.6574	1.8015E 00	6.5814E-06			6.2369E-01	1.6574E 00	1.2427E-01		
3.4925	2.1253E 00	1.7013E-05			7.7741E-01	3.4925E 00	5.1584E-02		
9.2178	2.5294E 00	6.1030E-05			9.0213E-01	9.2178E 00	2.1997E-02		
48.0334	2.9610E 00	9.9891E-03			9.7961E-01	4.8033E 01	6.9770E-03		

N	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)	ALPHA(N)	BETA(N)
-1		4.7663E-06				
0	1.5195E 00	7.4165E-05				
1	-1.4040E 00	-4.3221E 00				

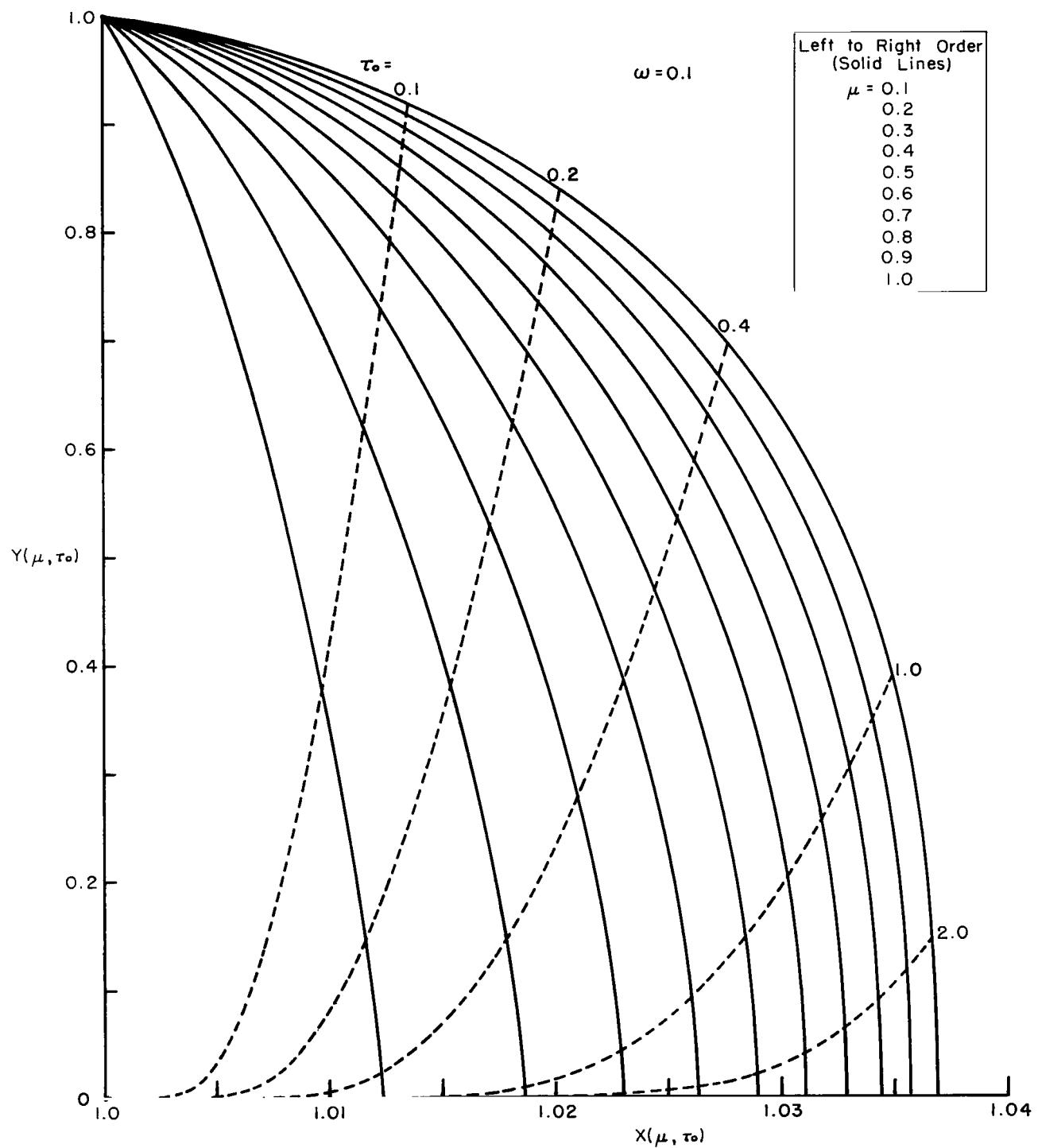


Figure 1.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; $0 \leq \mu \leq 1$,
 albedo $\omega = 0.1$.

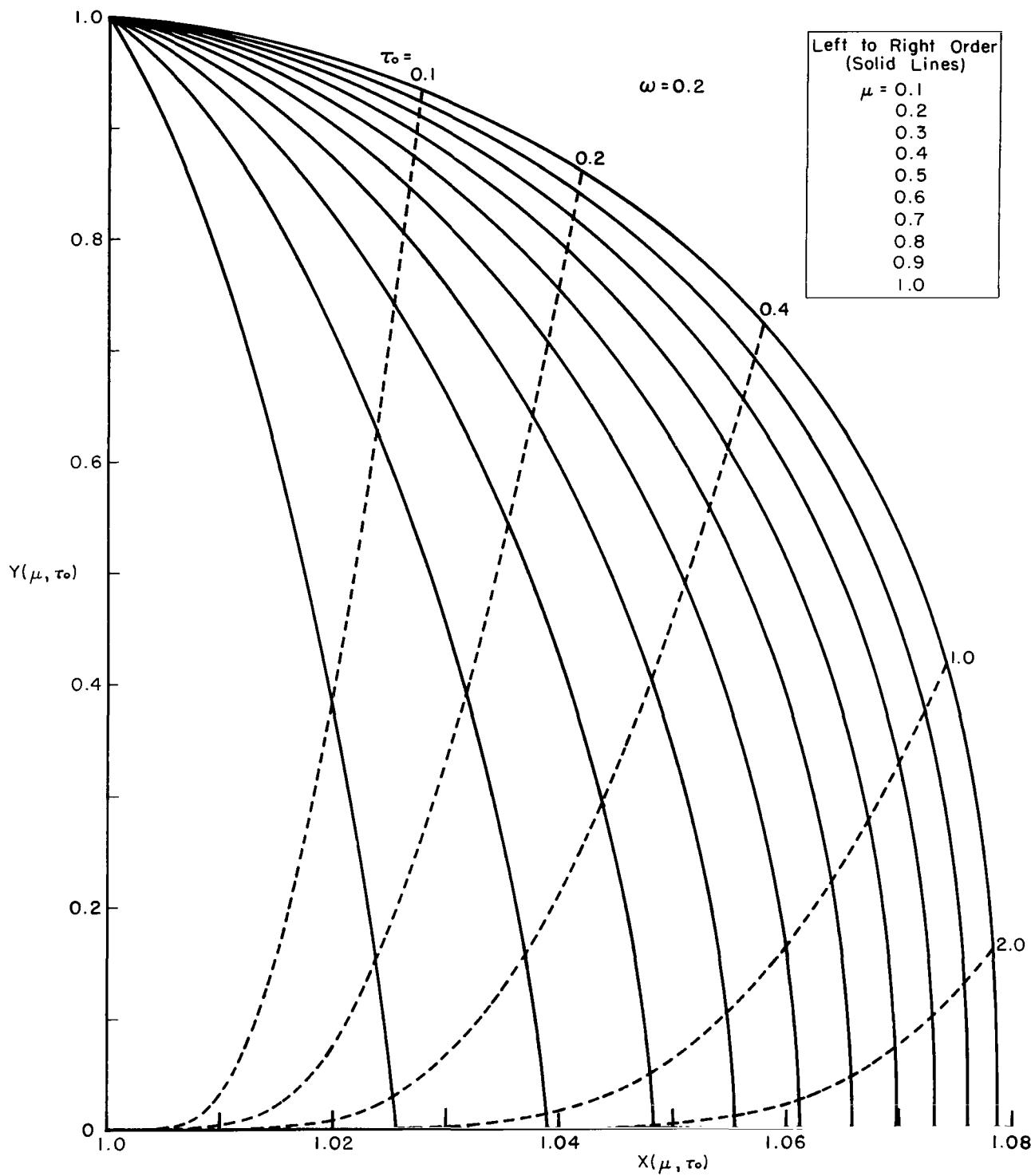


Figure 2.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; $0 \leq \mu \leq 1$,
 albedo $\omega = 0.2$.

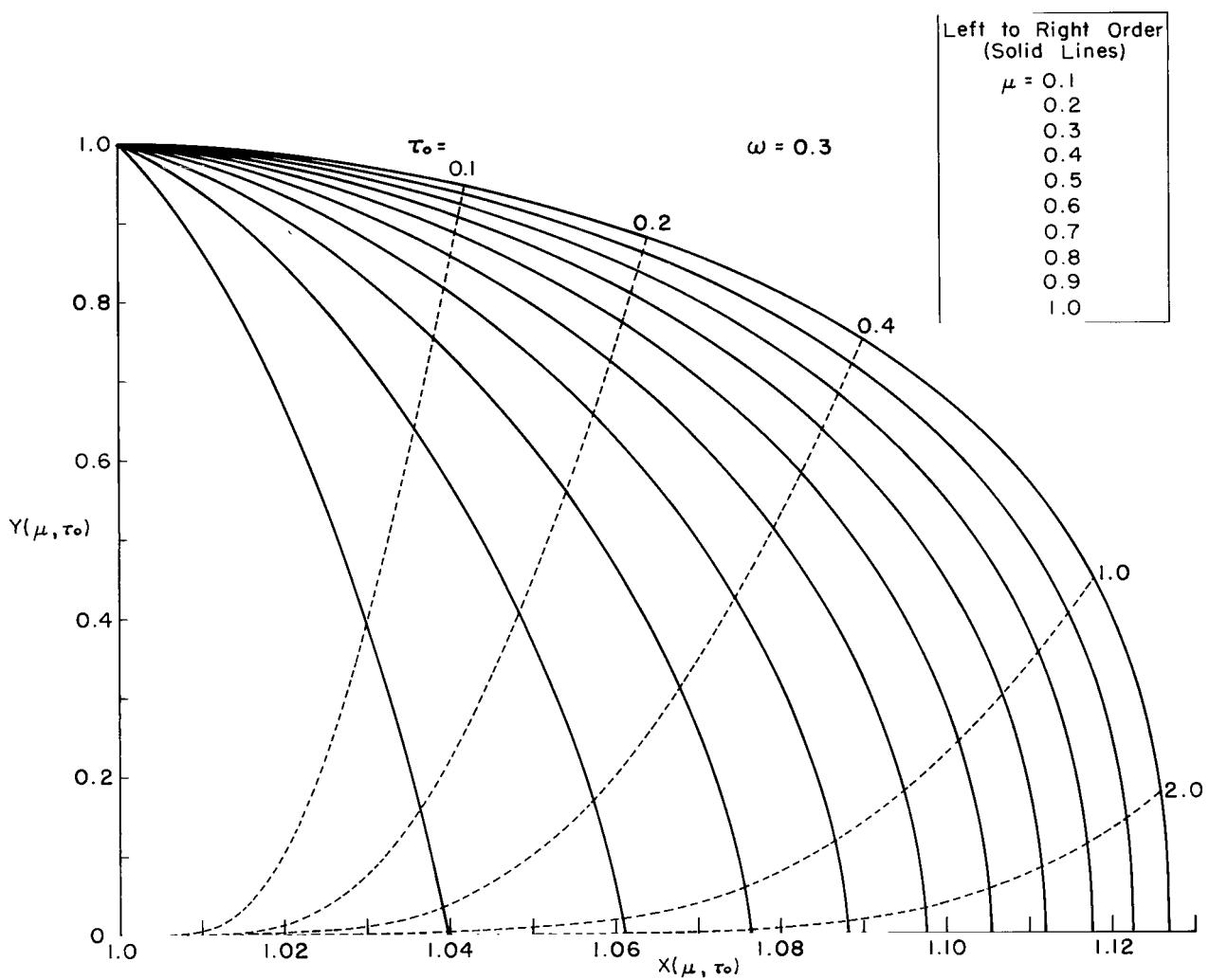


Figure 3.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; $0 \leq \mu \leq 1$,
albedo $\omega = 0.3$.

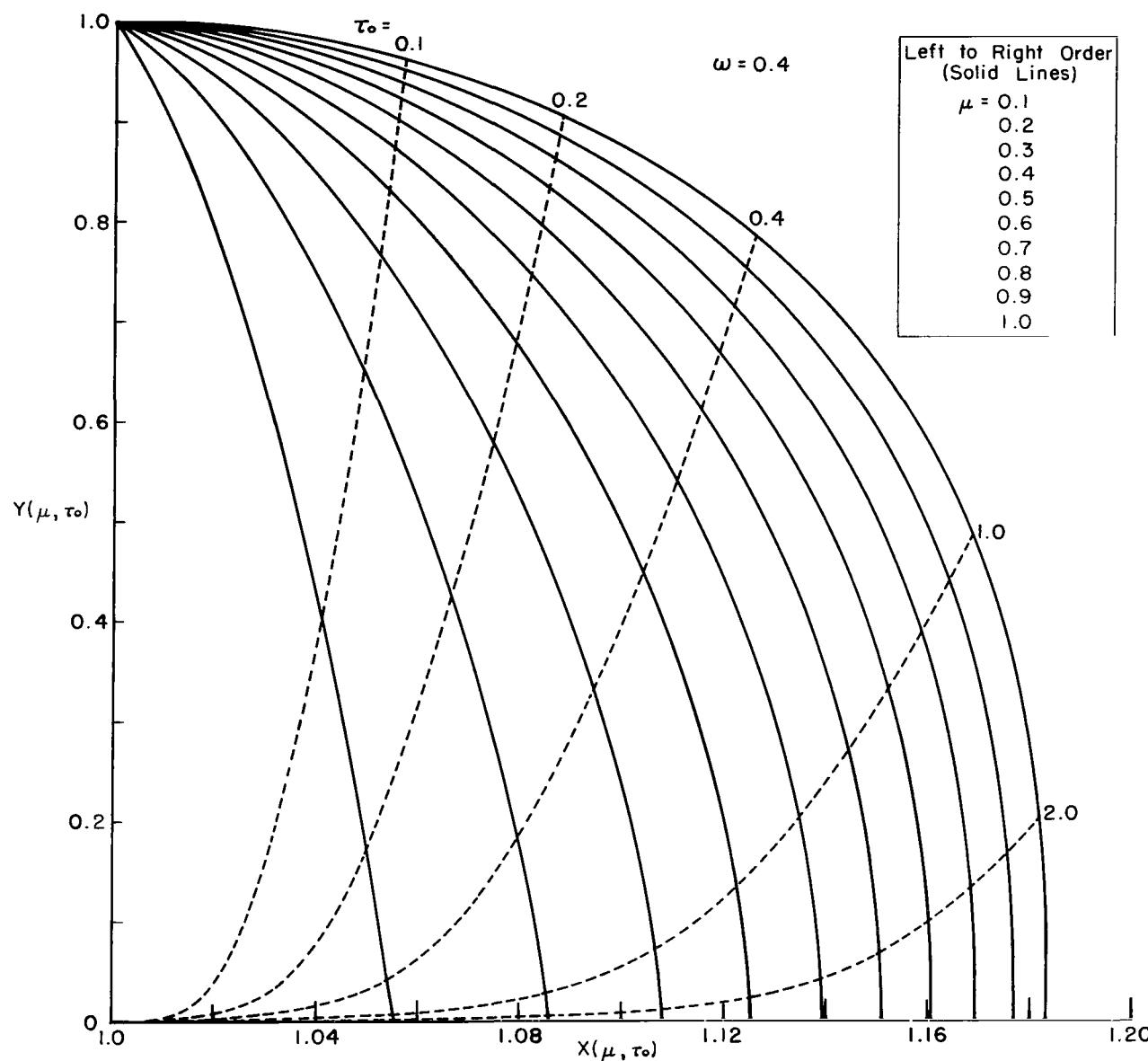


Figure 4.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; $0 \leq \mu \leq 1$,
albedo $\omega = 0.4$.

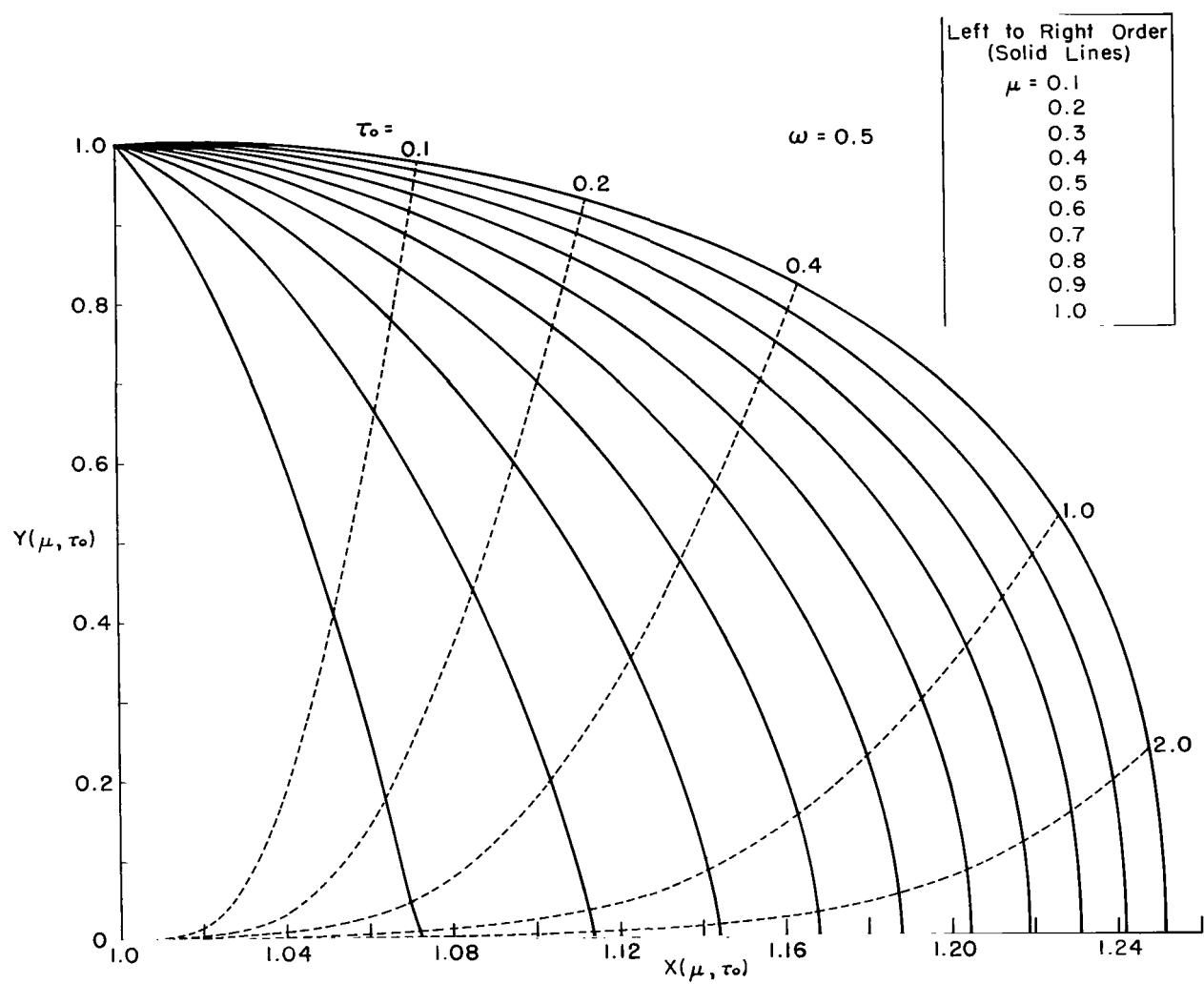


Figure 5.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; $0 \leq \mu \leq 1$,
albedo $\omega = 0.5$.

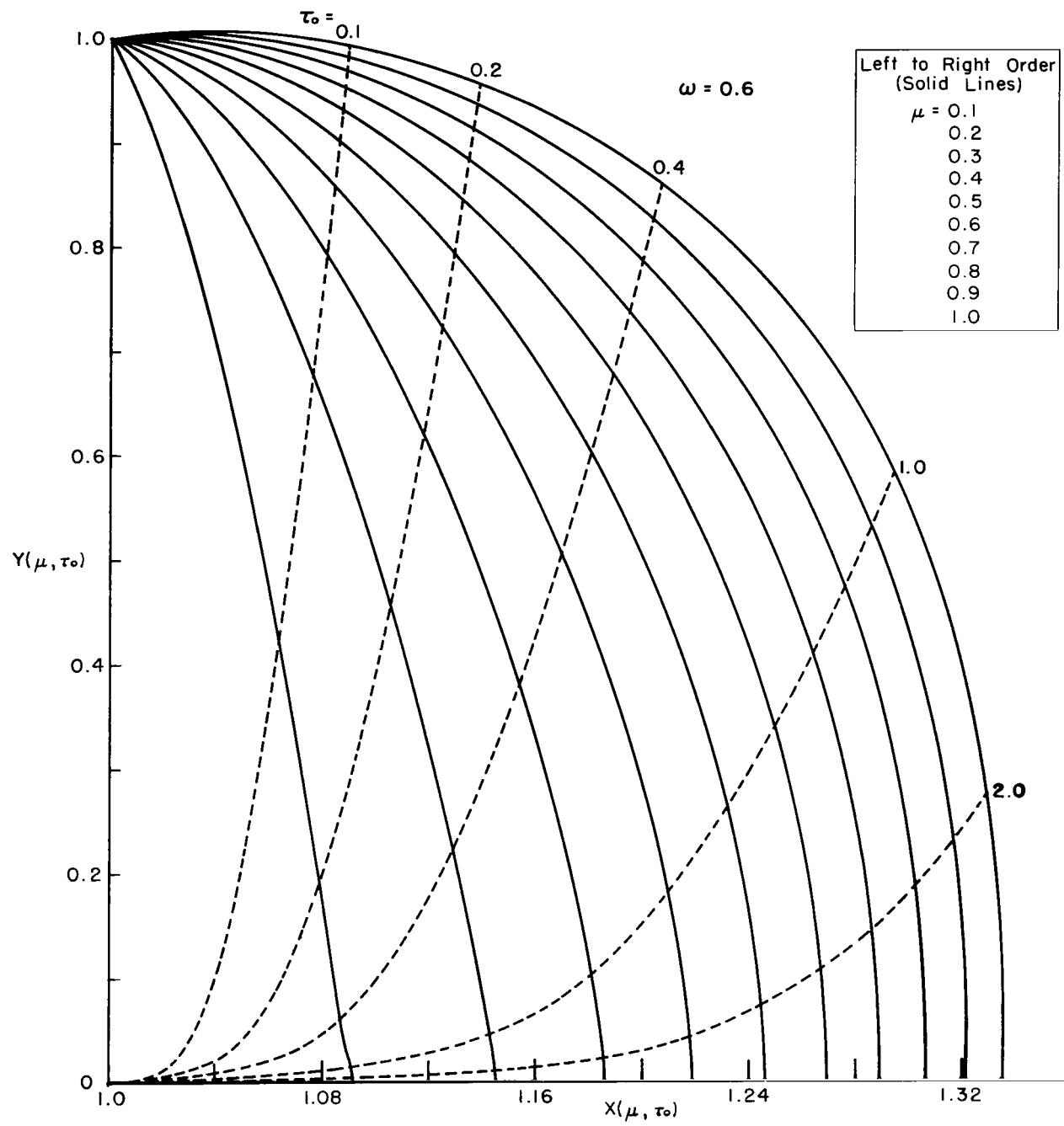


Figure 6.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; $0 \leq \mu \leq 1$,
albedo $\omega = 0.6$.

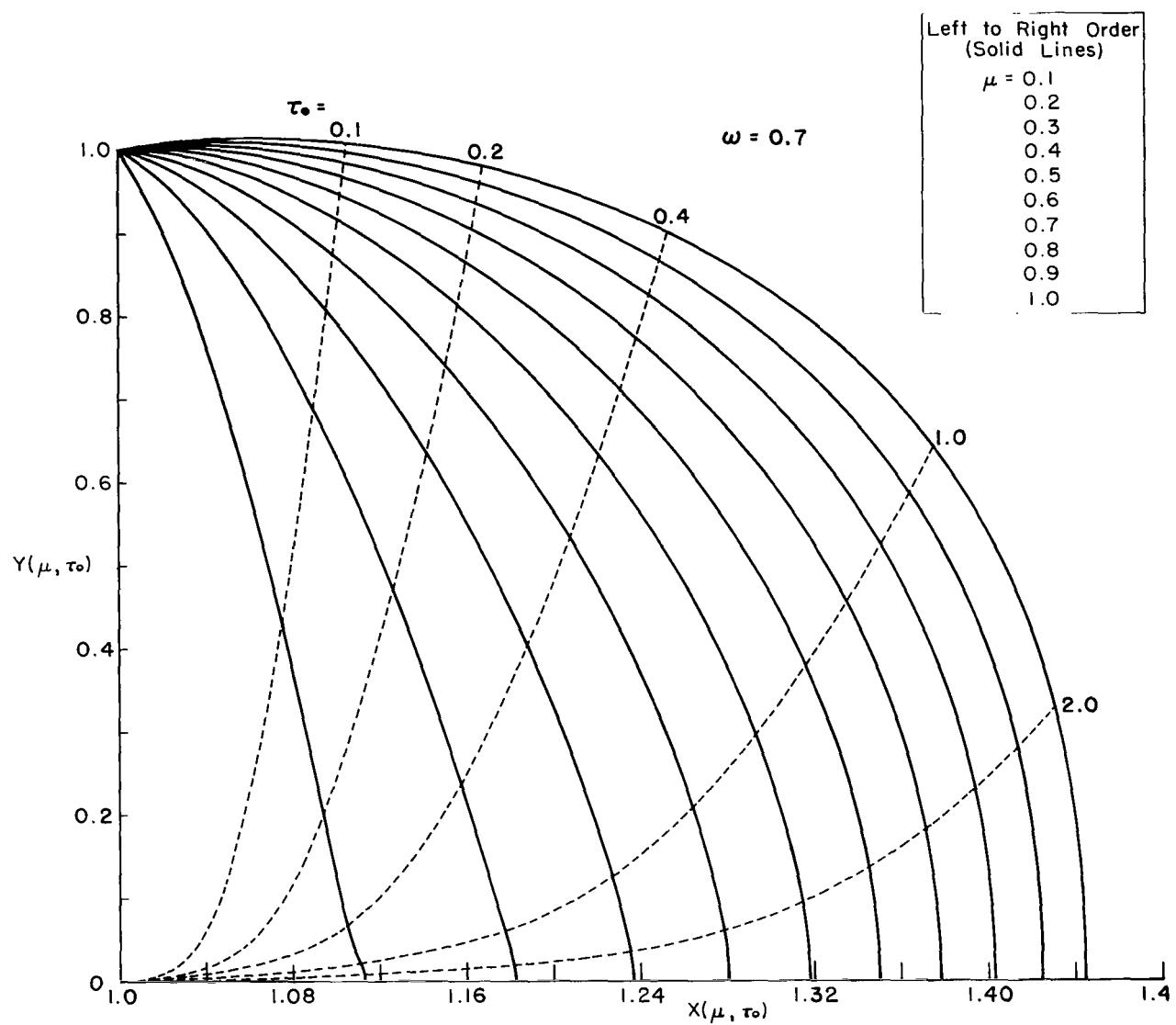


Figure 7.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; $0 \leq \mu \leq 1$,
albedo $\omega = 0.7$.

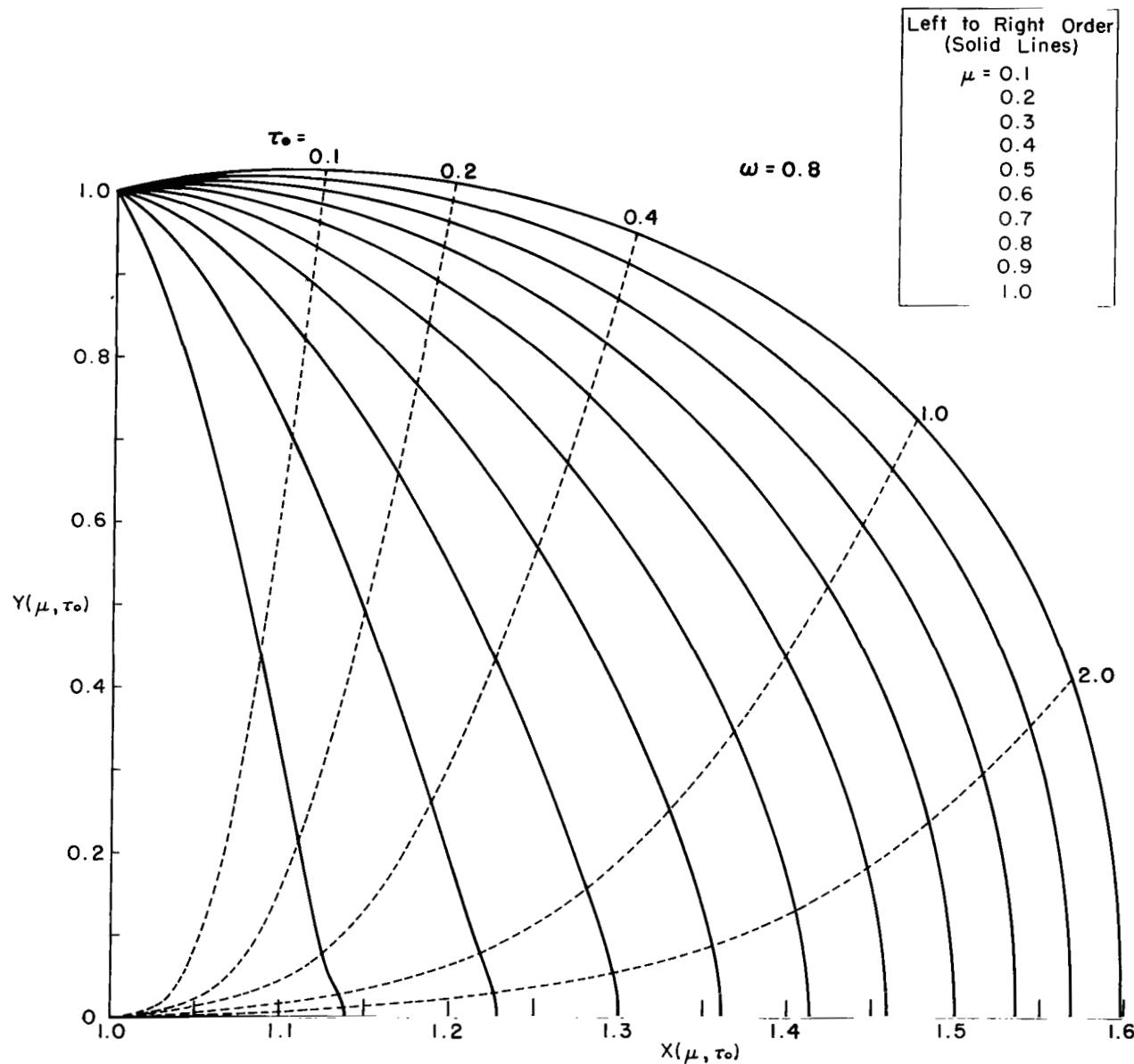


Figure 8.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; $0 \leq \mu \leq 1$, albedo $\omega = 0.8$.

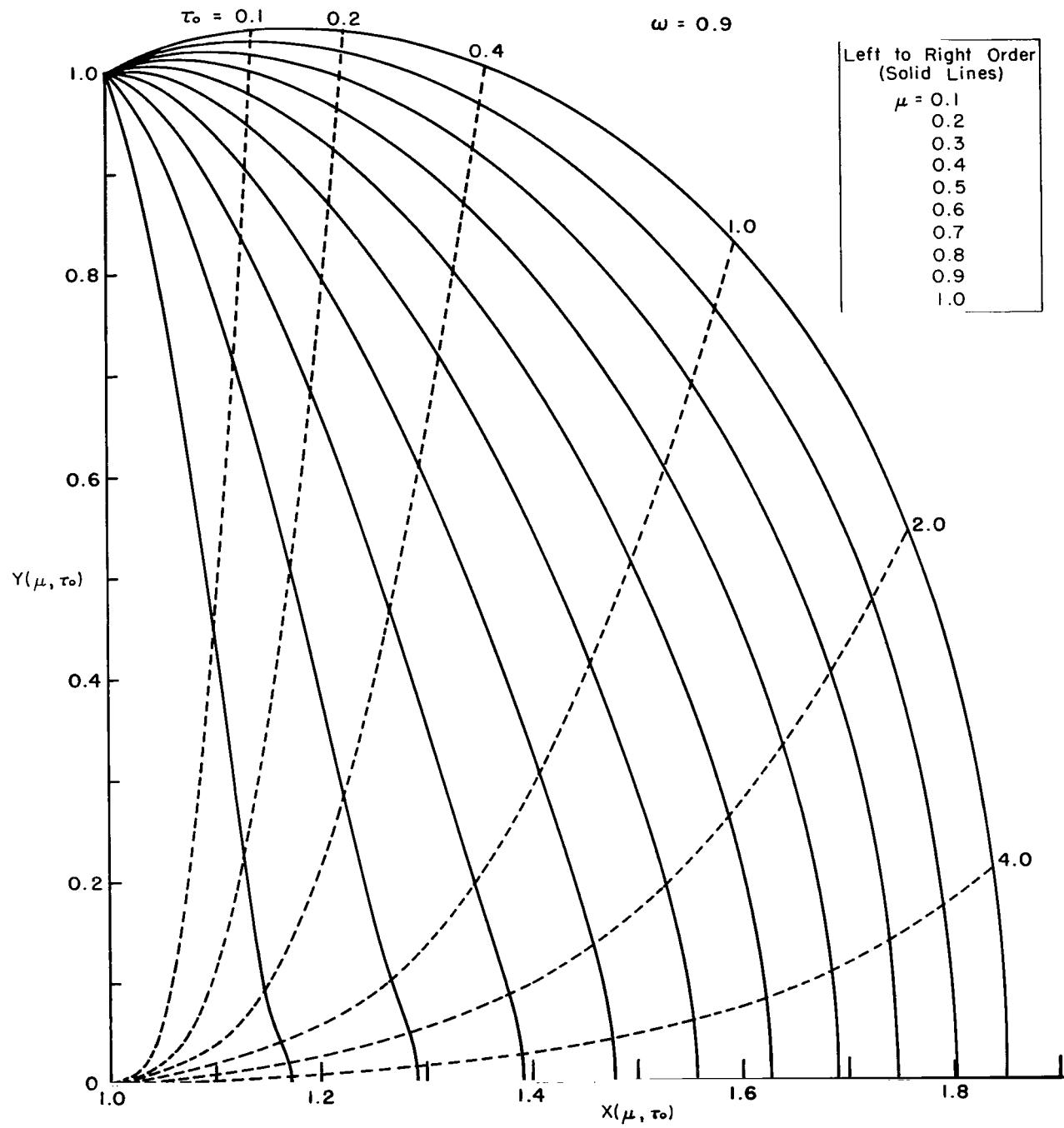


Figure 9.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; $0 \leq \mu \leq 1$,
 albedo $\omega = 0.9$.

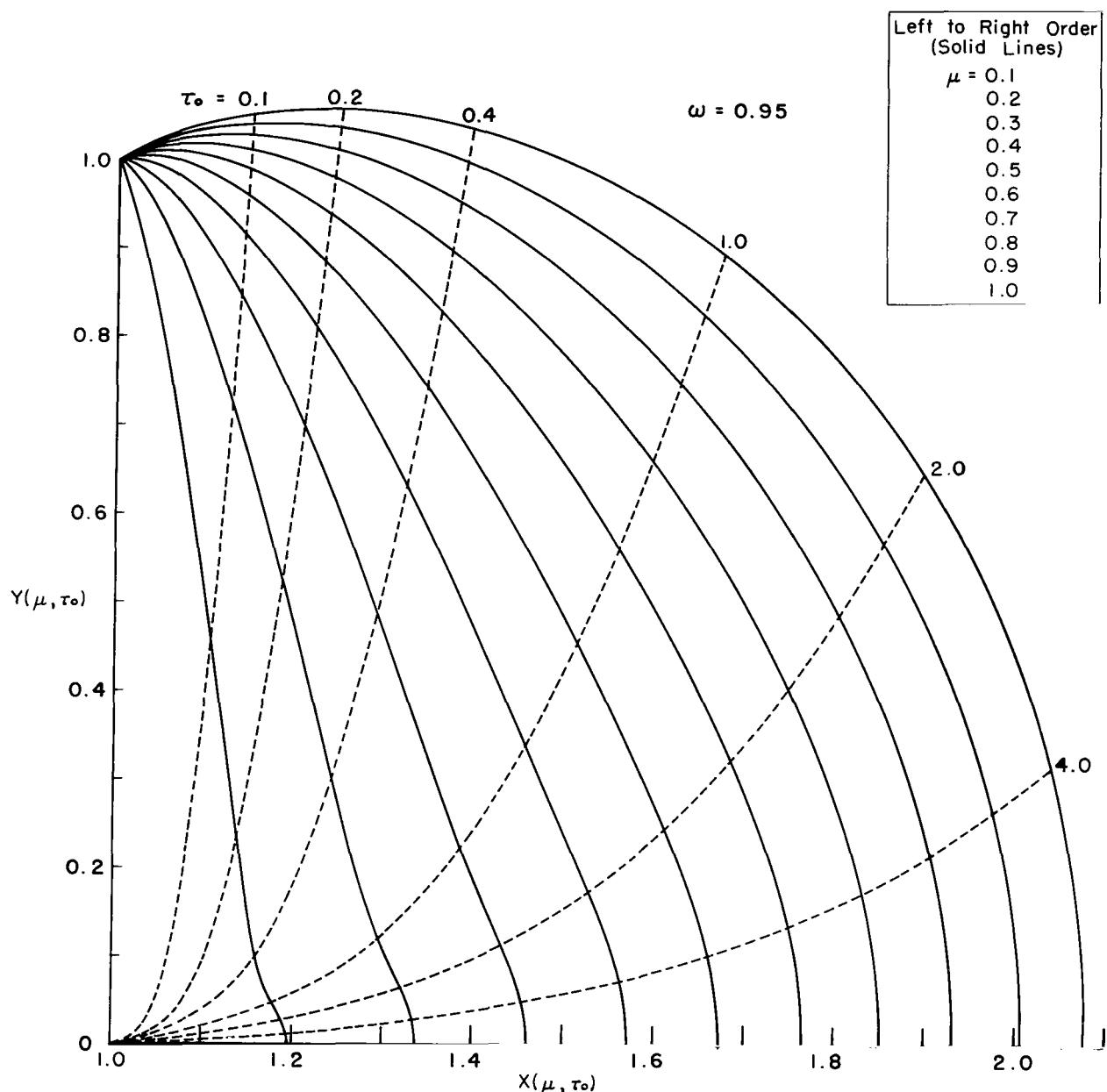


Figure 10.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; $0 \leq \mu \leq 1$,
albedo $\omega = 0.95$.

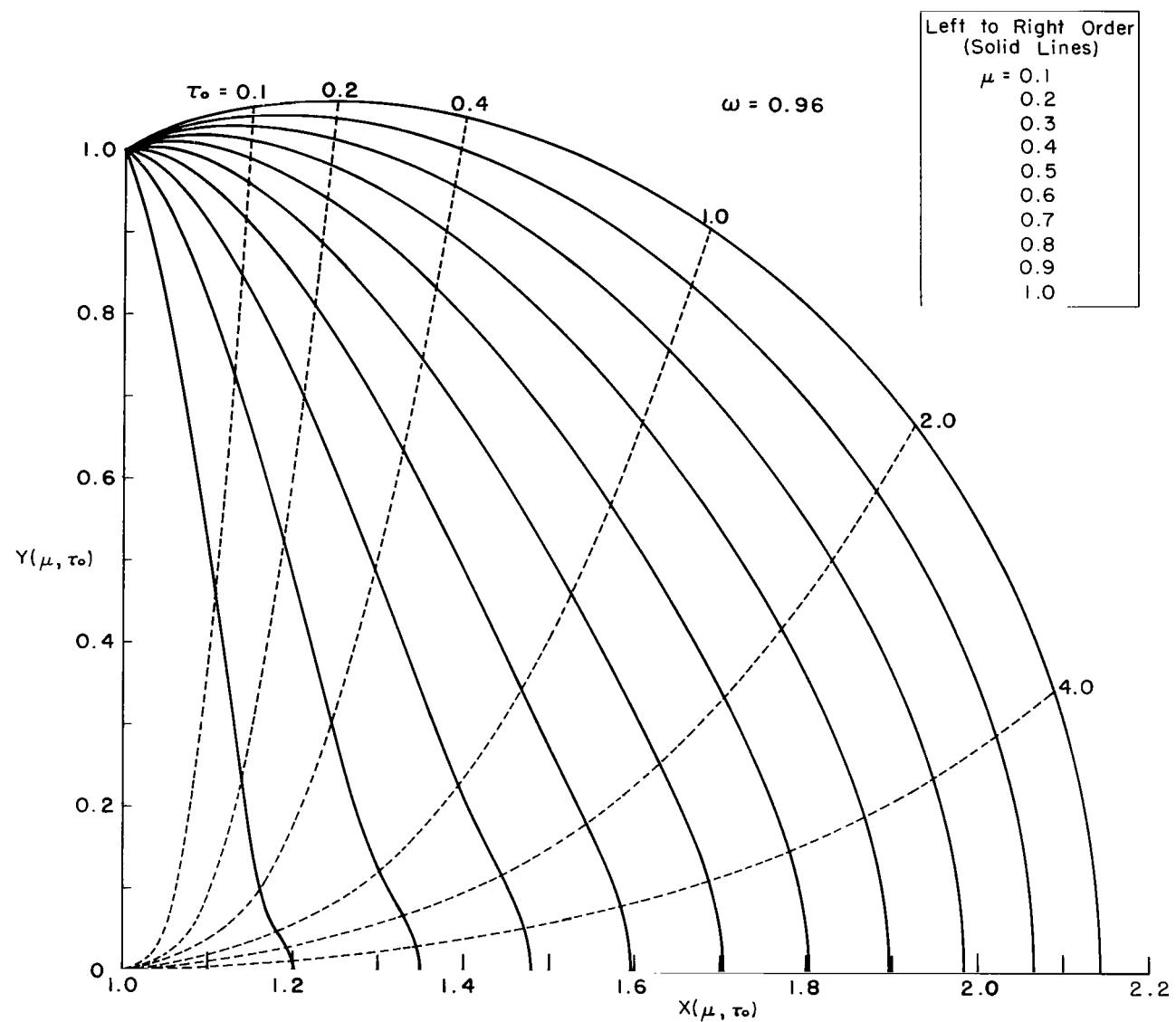


Figure 11.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; $0 \leq \mu \leq 1$,
albedo $\omega = 0.96$.

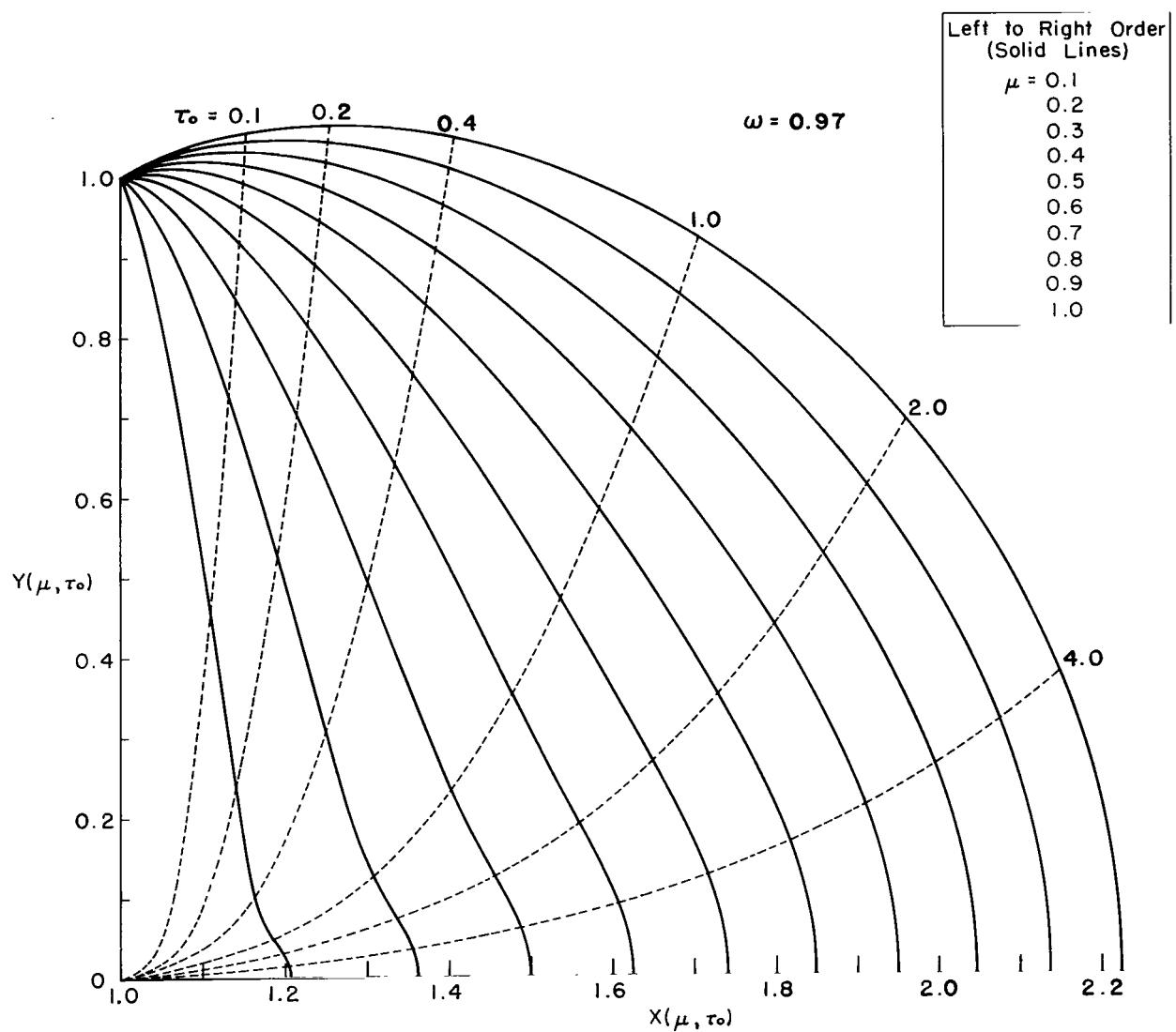


Figure 12.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; $0 \leq \mu \leq 1$,
albedo $\omega = 0.97$.

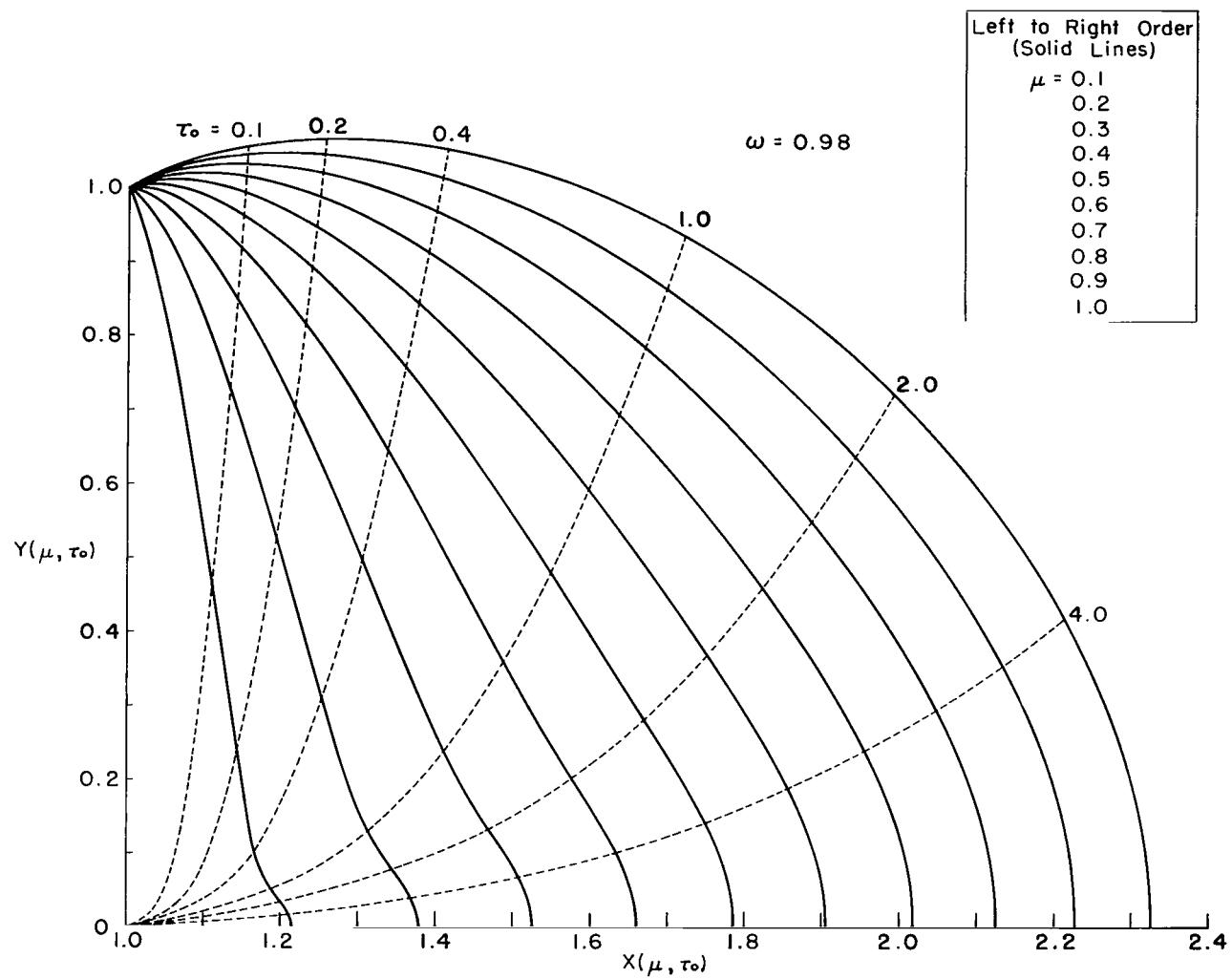


Figure 13.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; $0 \leq \mu \leq 1$,
albedo $\omega = 0.98$.

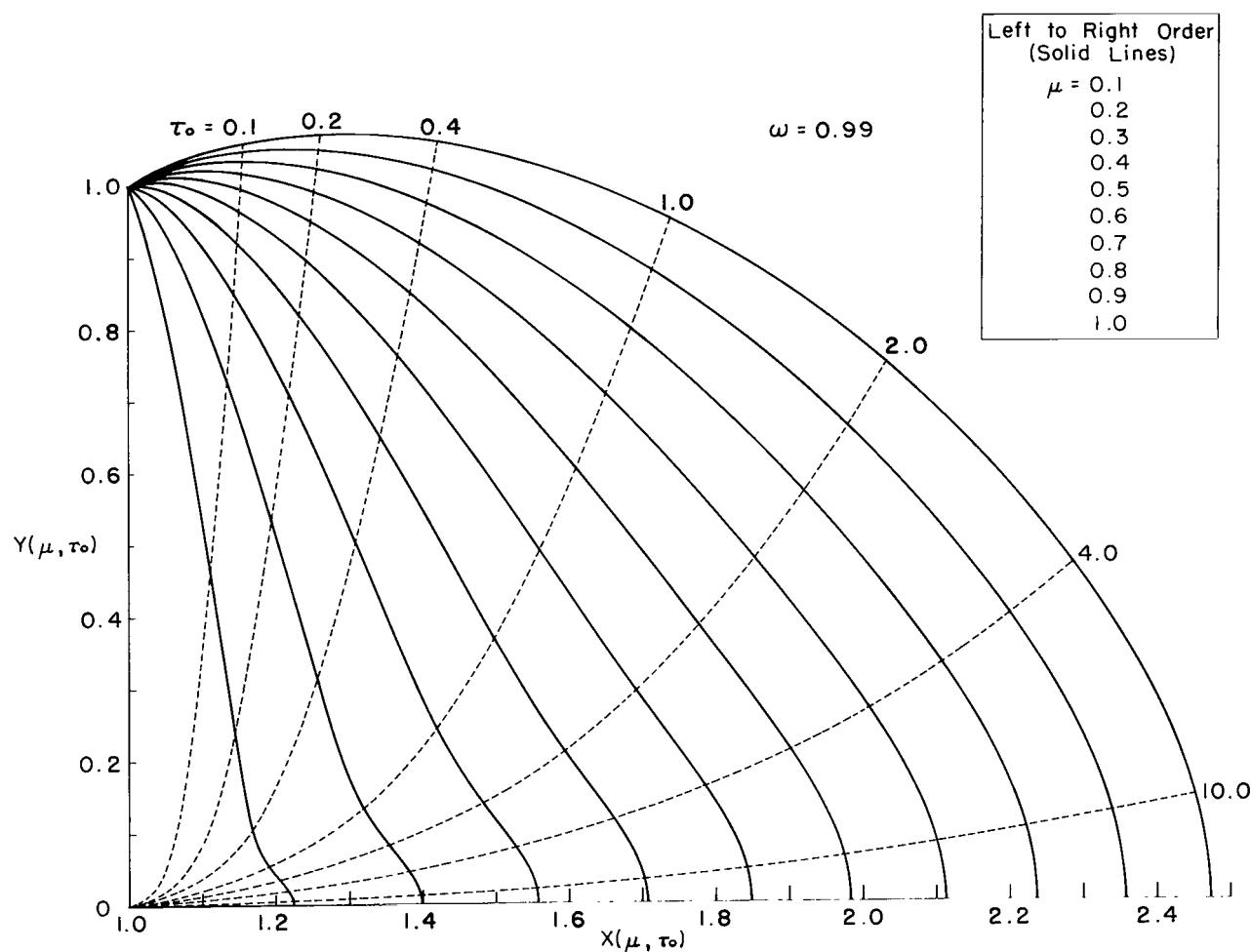


Figure 14.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; $0 \leq \mu \leq 1$,
albedo $\omega = 0.99$.

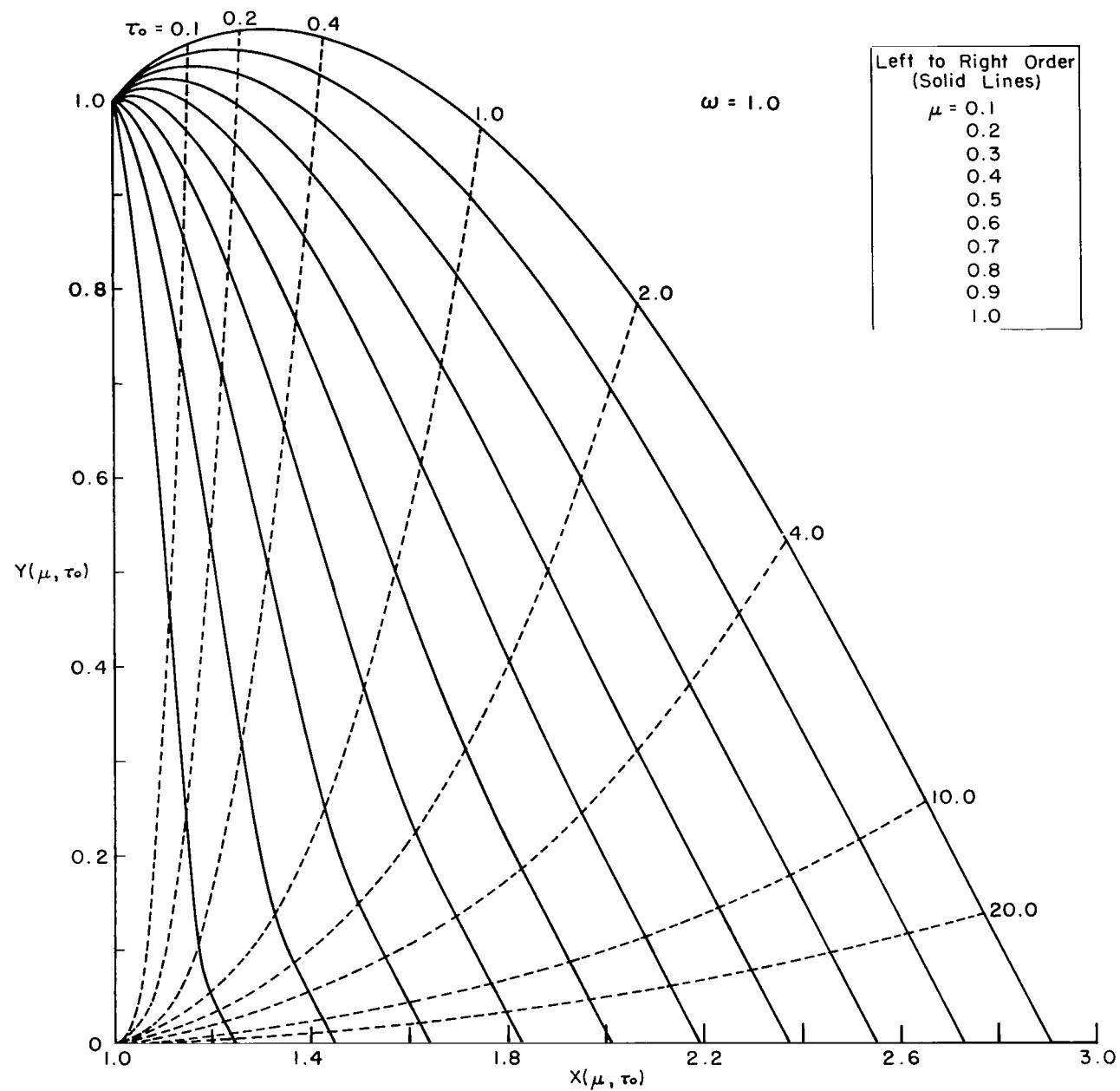


Figure 15.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; $0 \leq \mu \leq 1$,
 albedo $\omega = 1.0$ (conservative case).

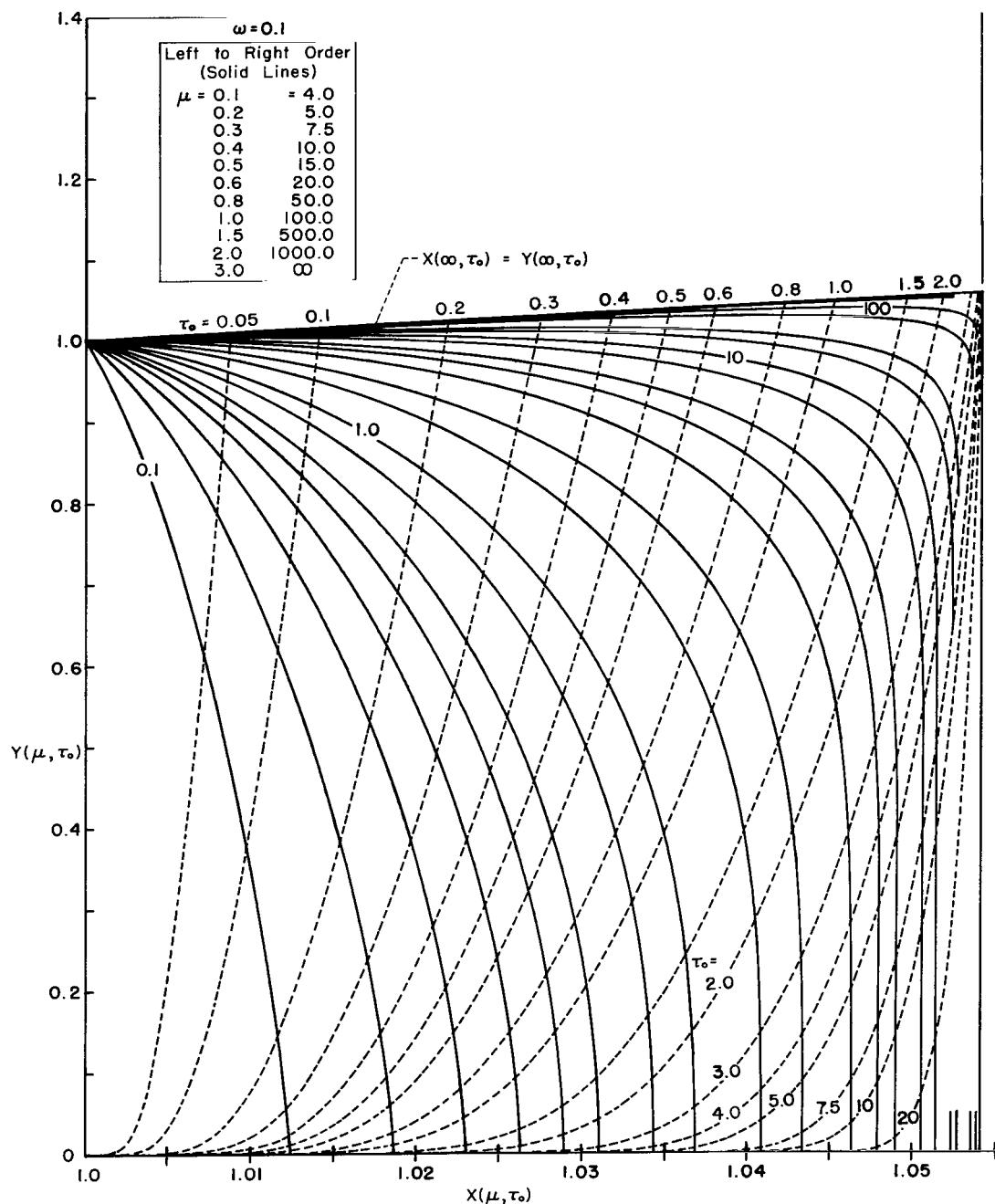


Figure 16.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; extended range of μ ($0 < \mu < \infty$), albedo $\omega = 0.1$.

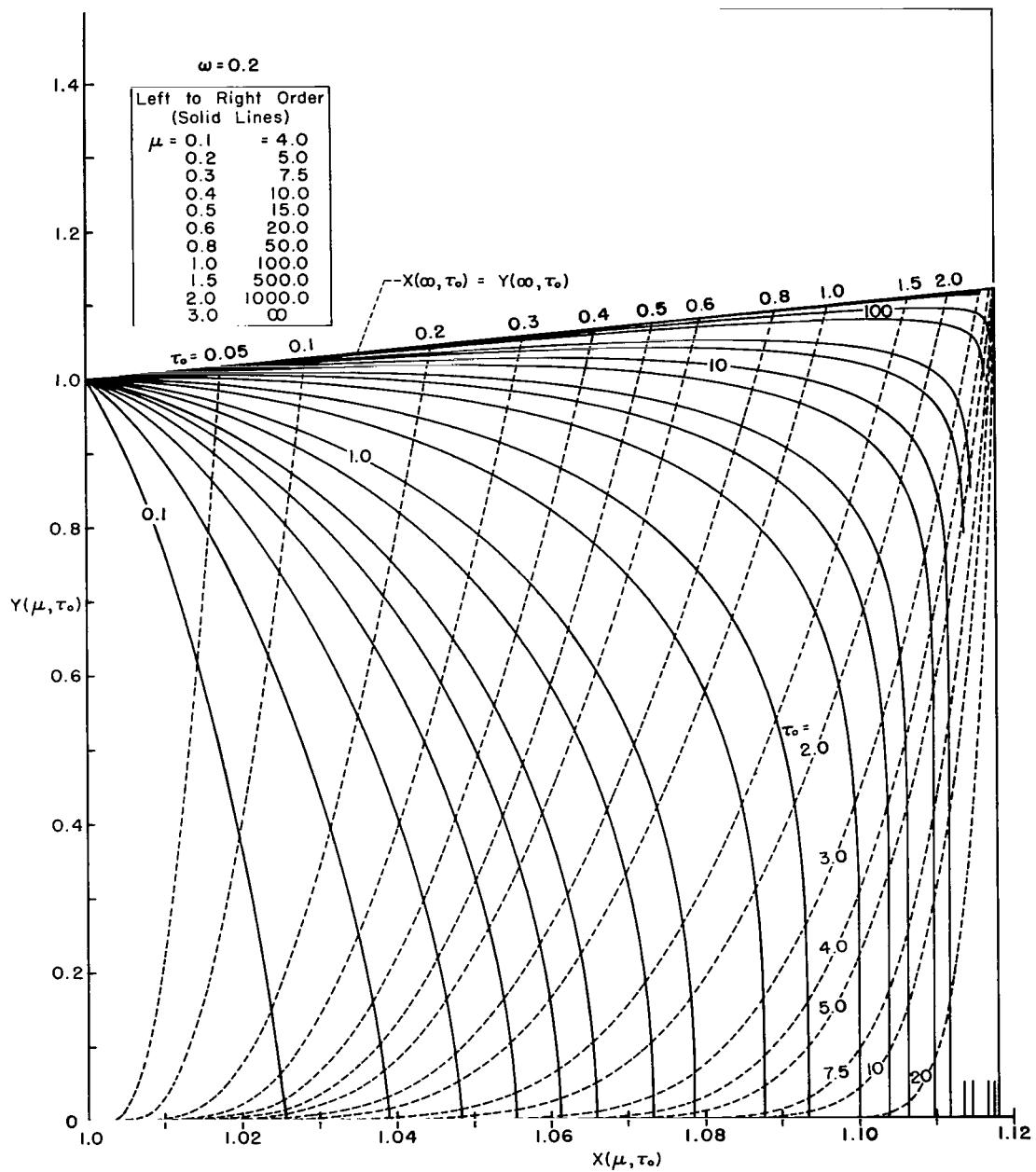


Figure 17.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; extended range of μ ($0 < \mu < \infty$), albedo $\omega = 0.2$.

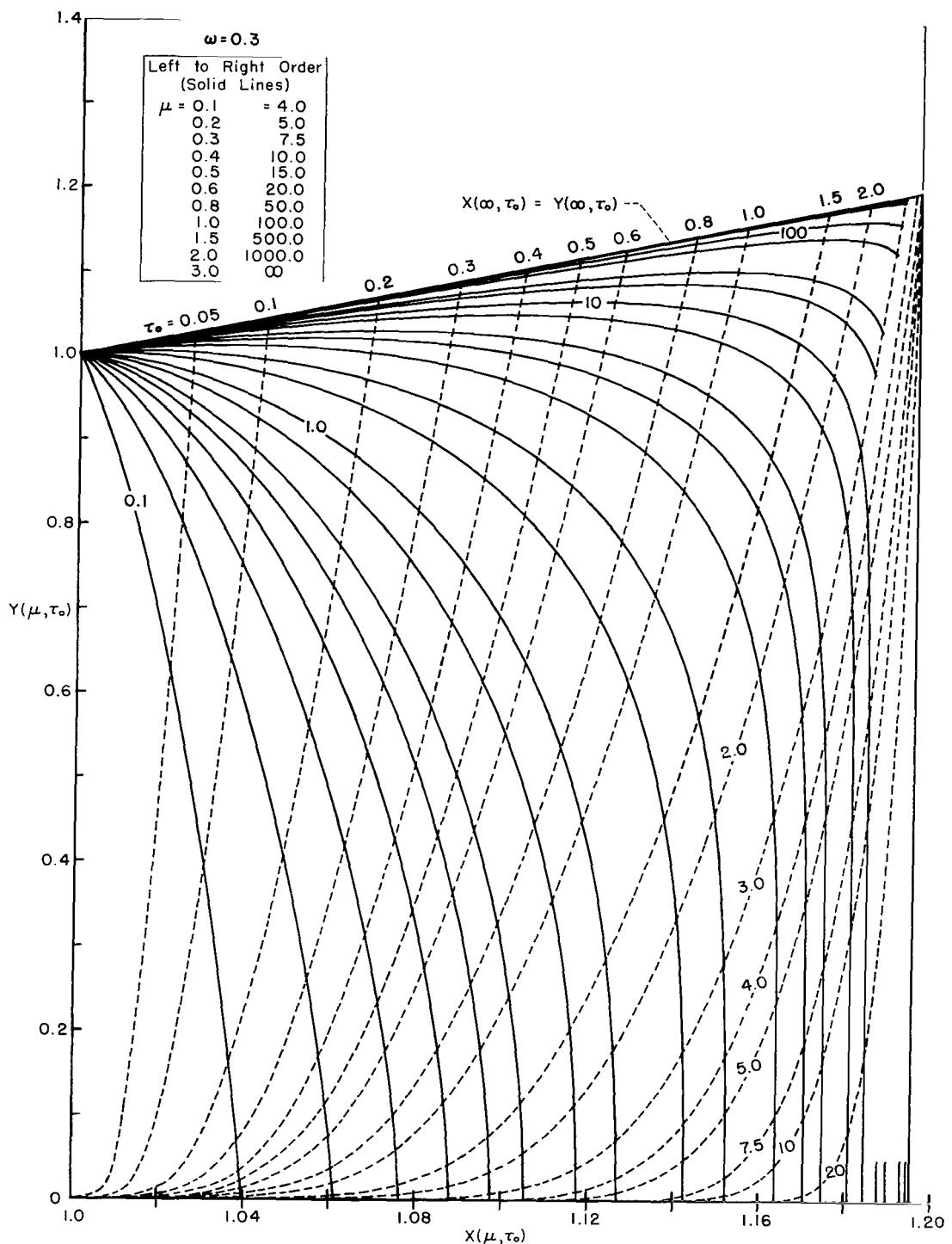


Figure 18.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; extended range of μ ($0 < \mu < \infty$), albedo $\omega = 0.3$.

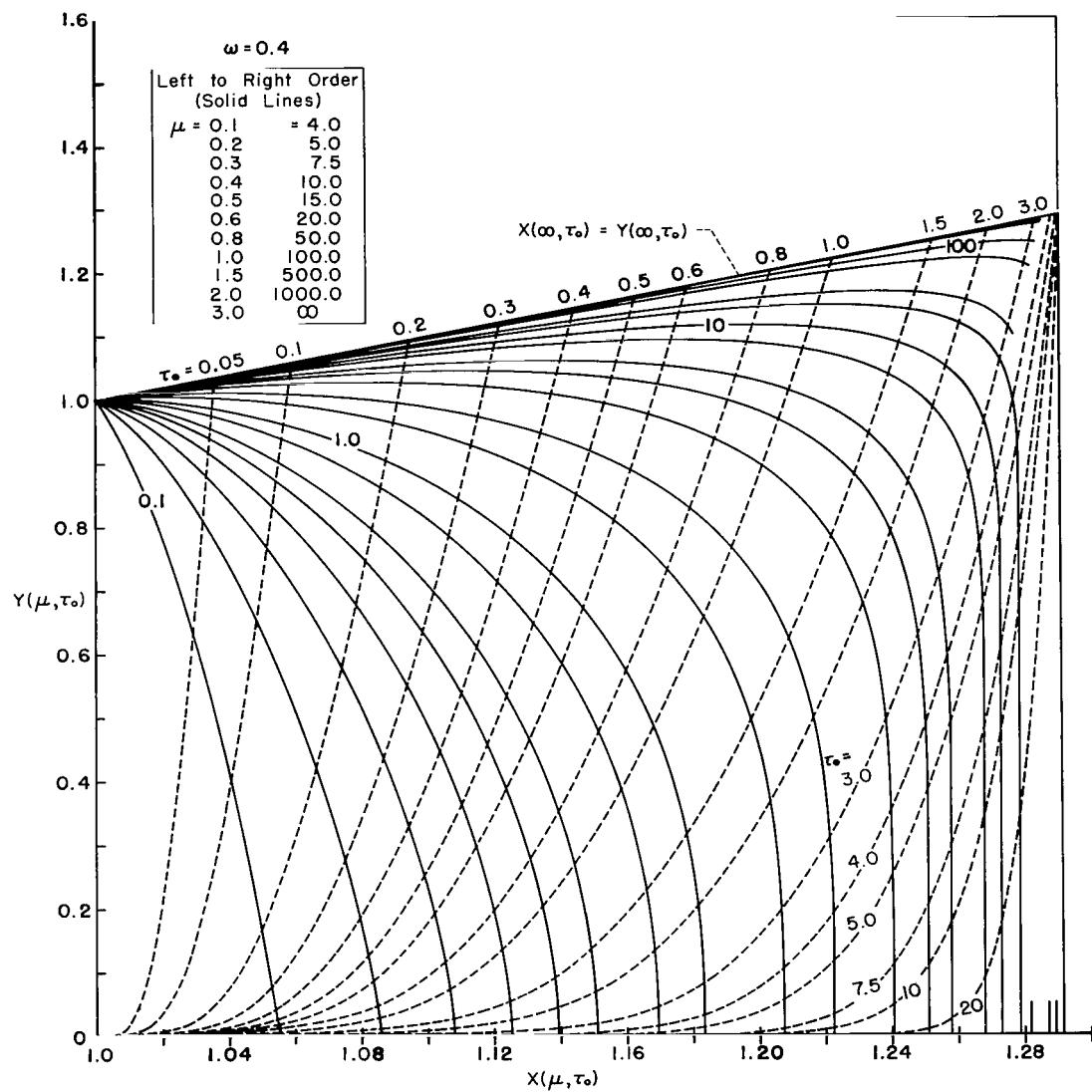


Figure 19.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; extended range of μ ($0 < \mu < \infty$), albedo $\omega = 0.4$.

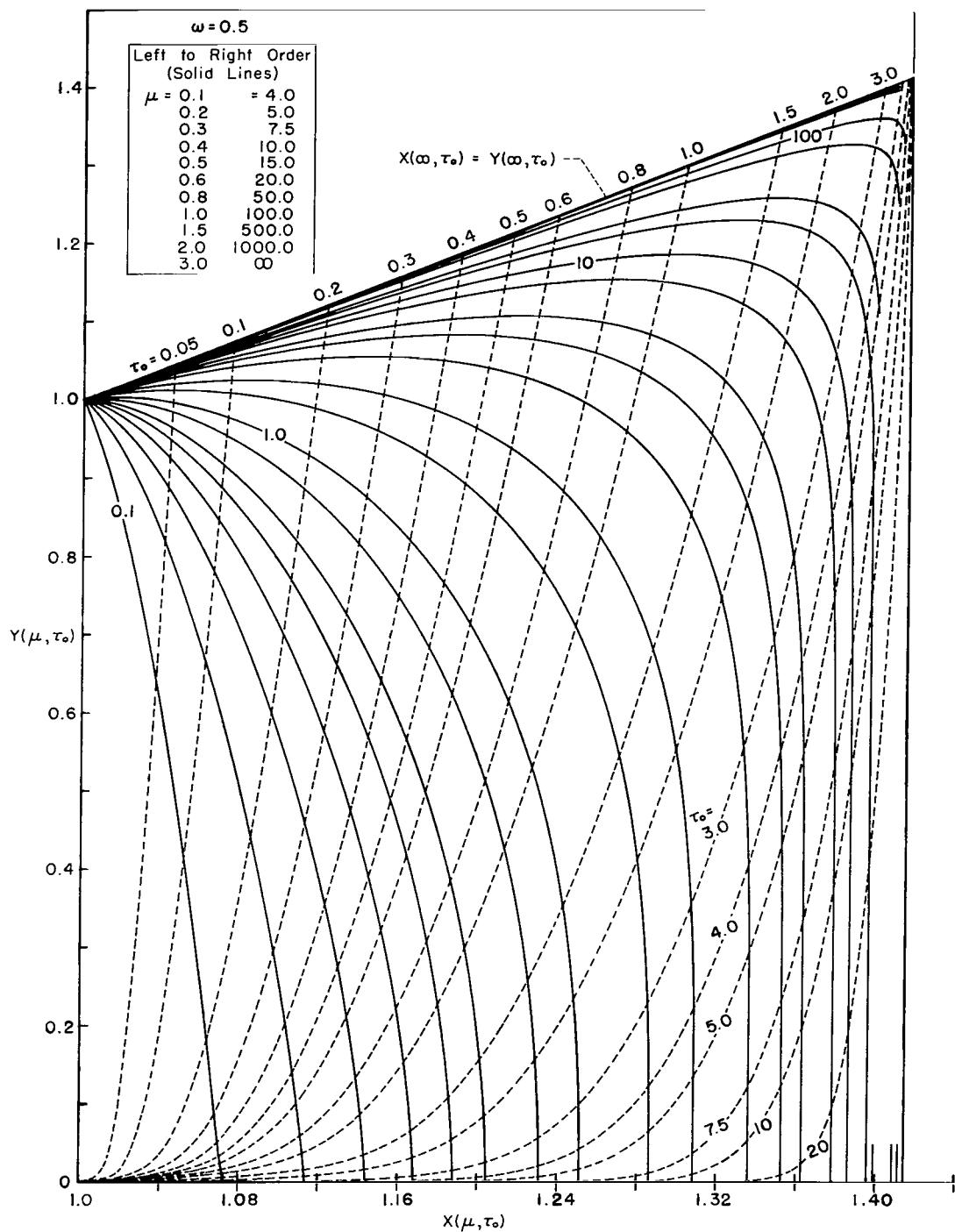


Figure 20.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; extended range of μ ($0 < \mu < \infty$), albedo $\omega = 0.5$.

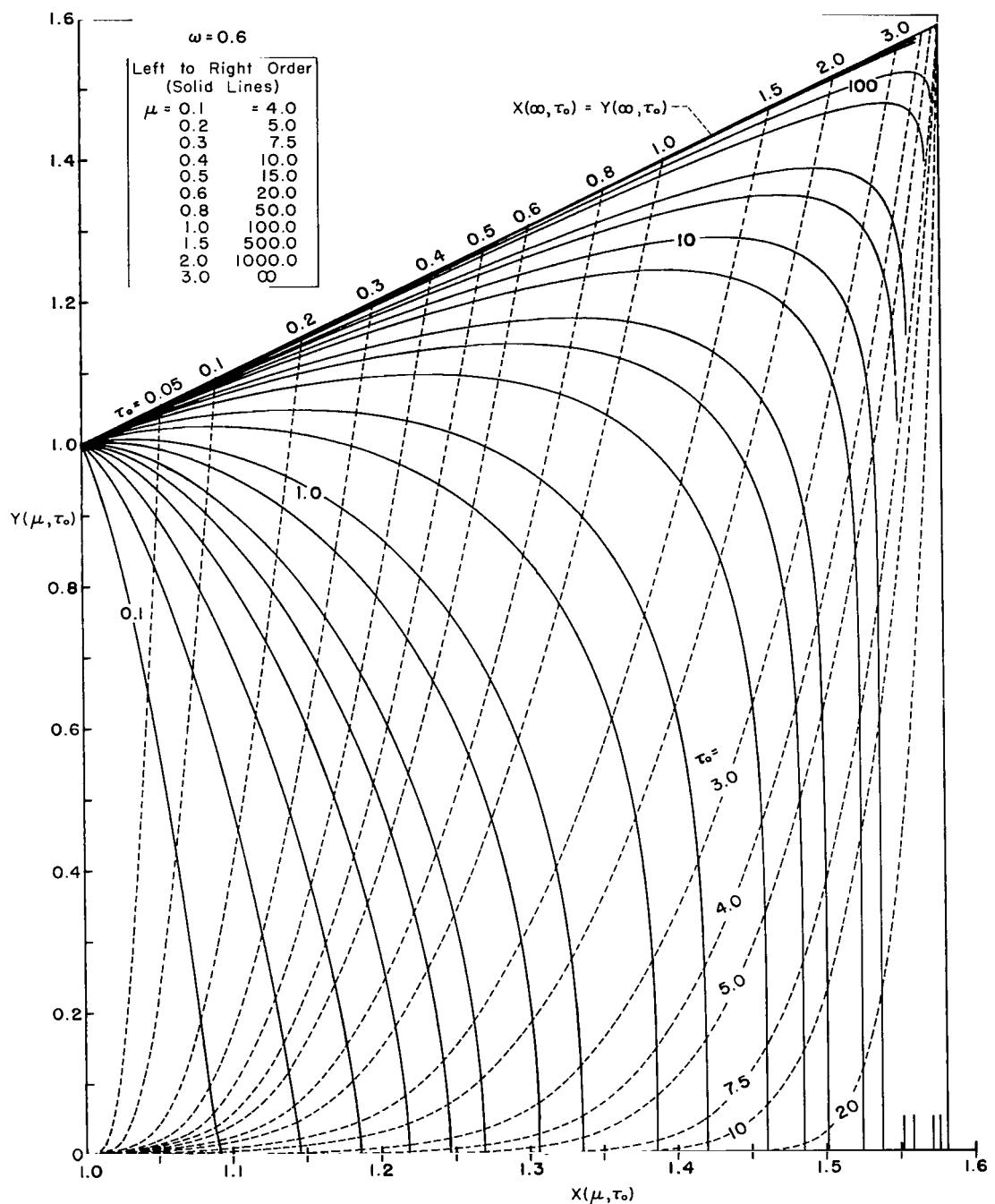


Figure 21.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; extended range of μ ($0 < \mu < \infty$), albedo $\omega = 0.6$.

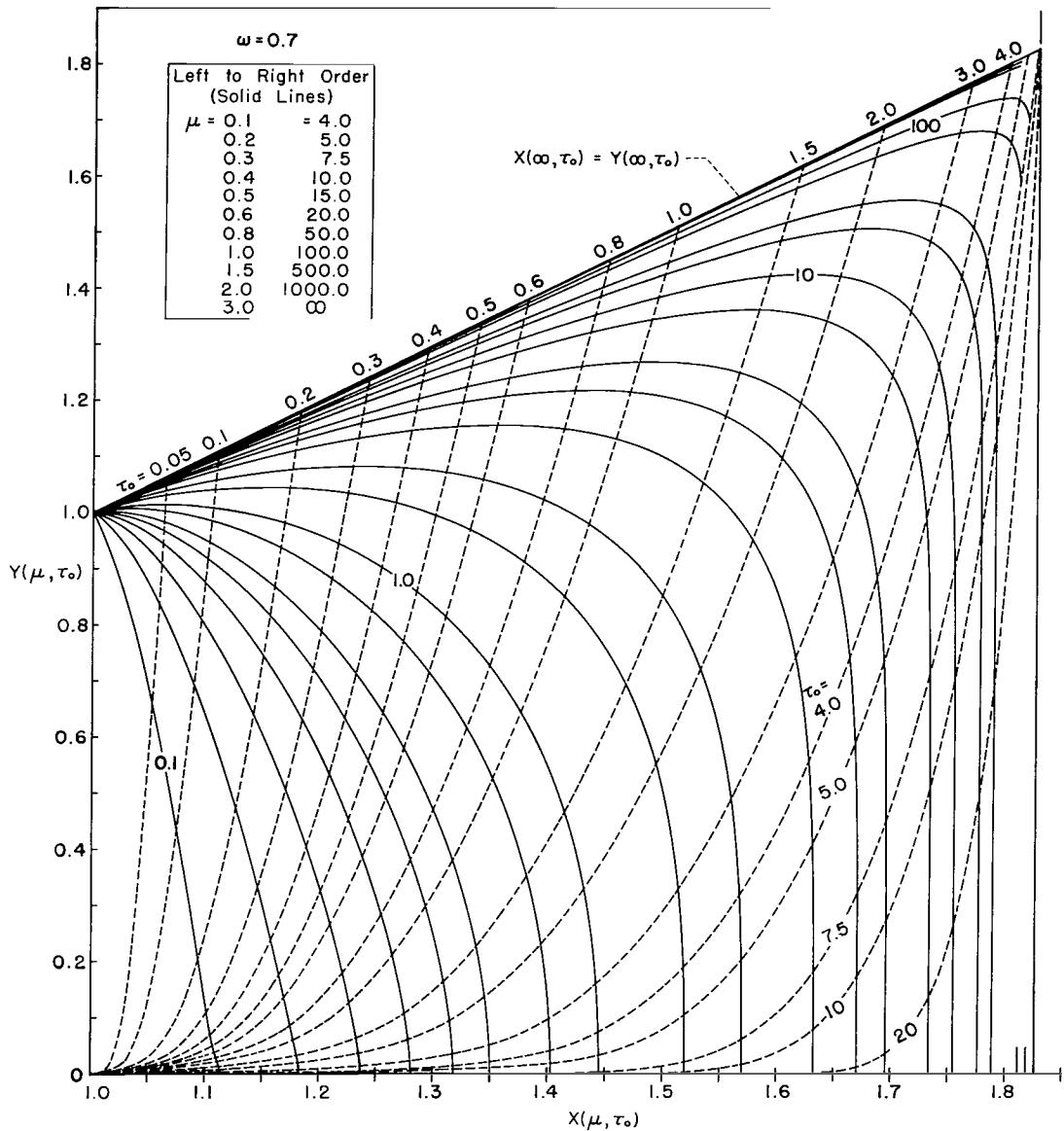


Figure 22.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; extended range of μ ($0 < \mu < \infty$), albedo $\omega = 0.7$.

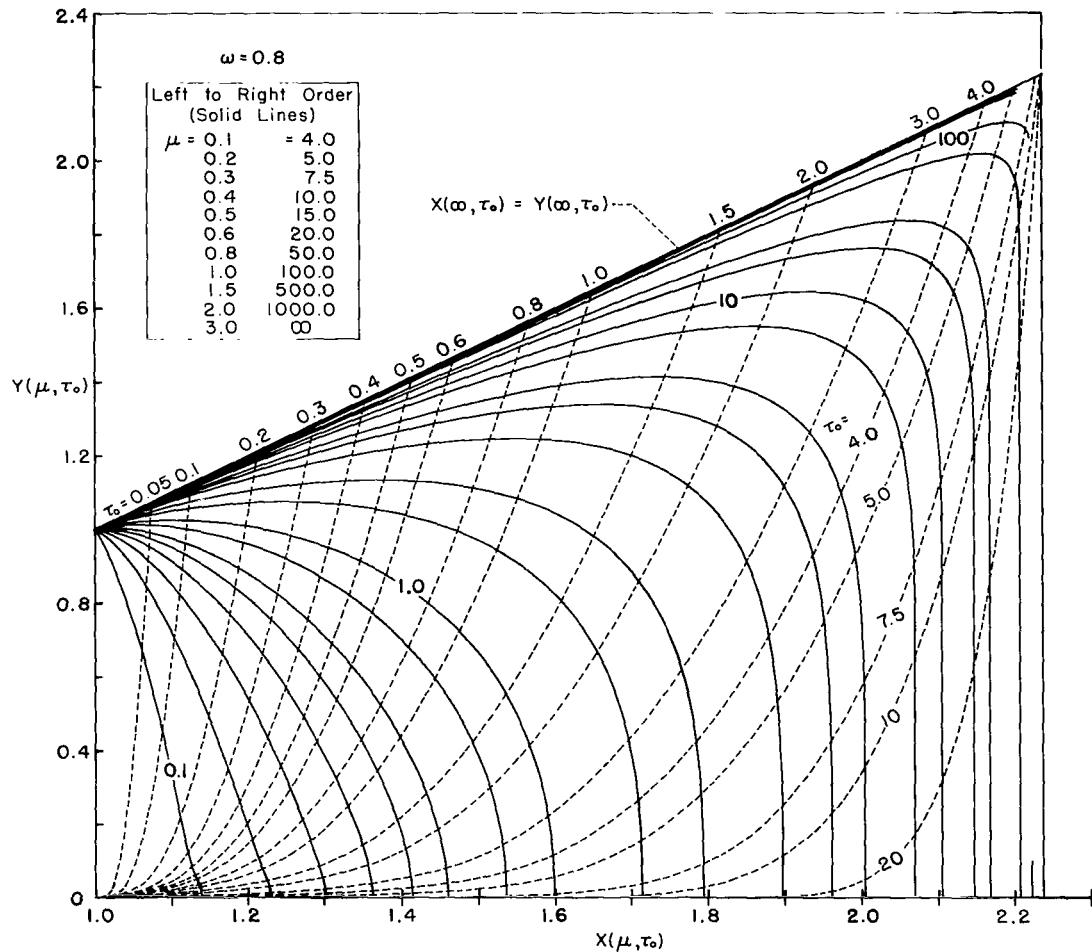


Figure 23.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; extended range of μ ($0 < \mu < \infty$), albedo $\omega = 0.8$.

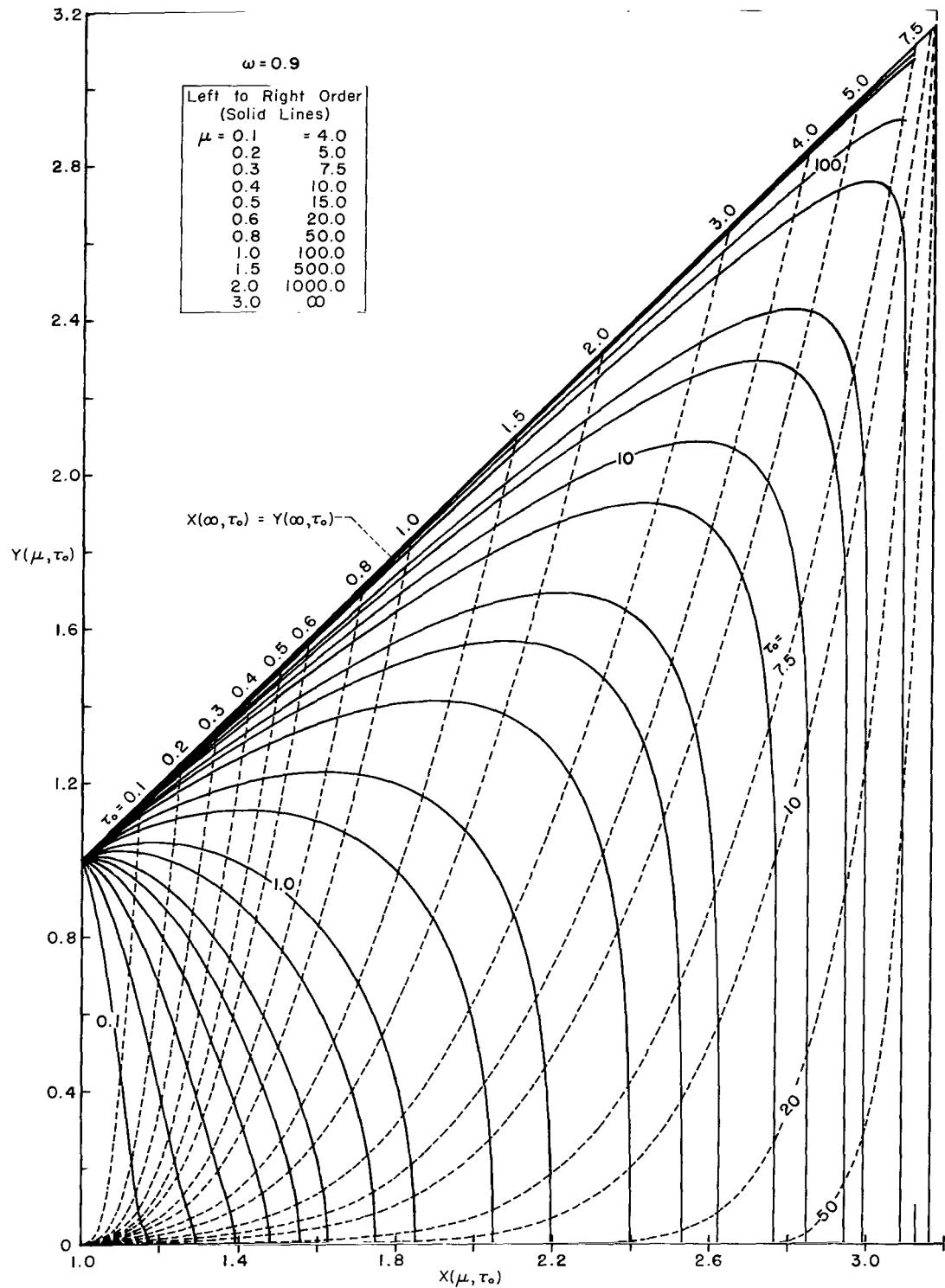


Figure 24.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; extended range of μ ($0 < \mu < \infty$), albedo $\omega = 0.9$.

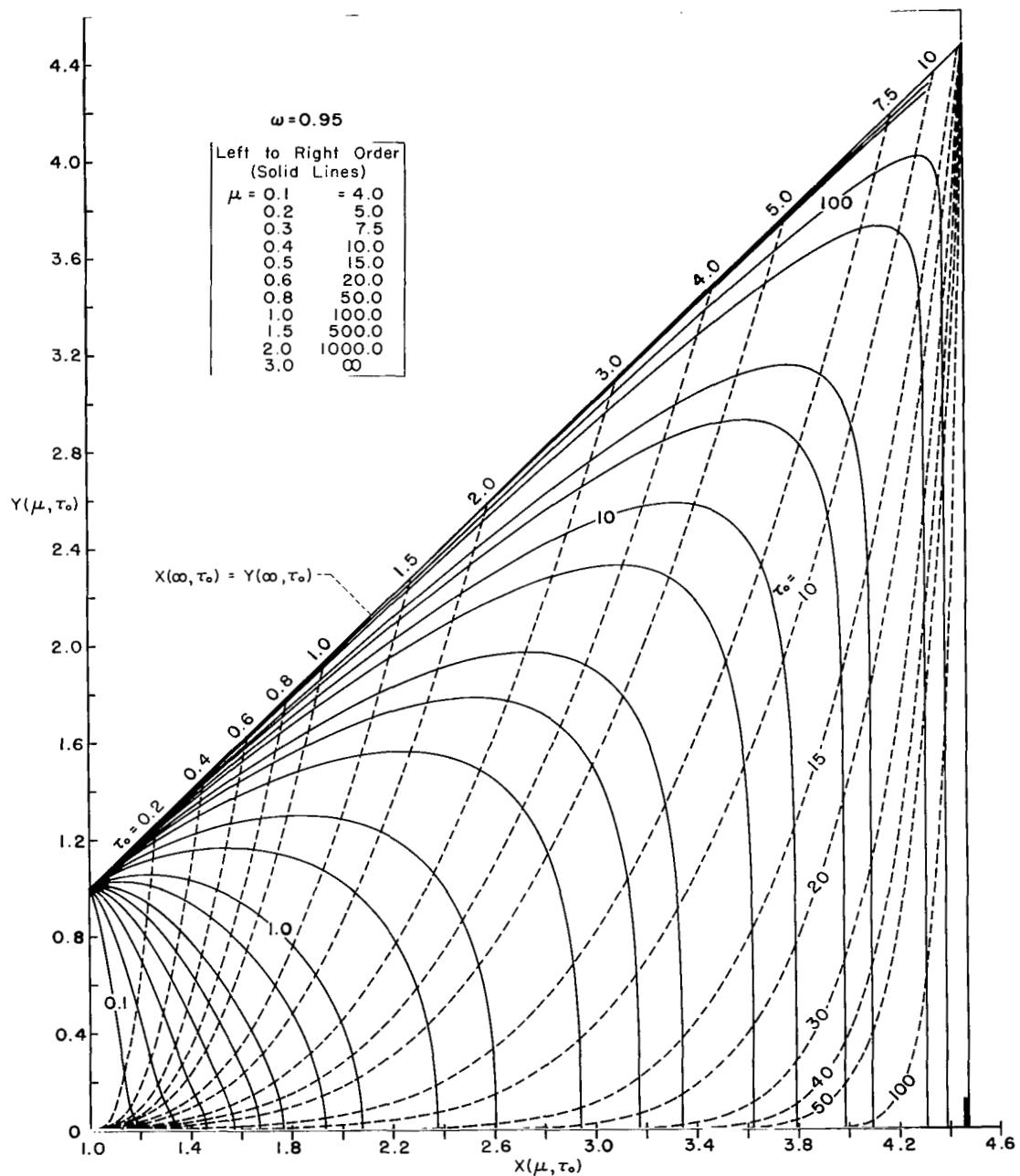


Figure 25. - $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; extended range of μ ($0 < \mu < \infty$), albedo $\omega = 0.95$.

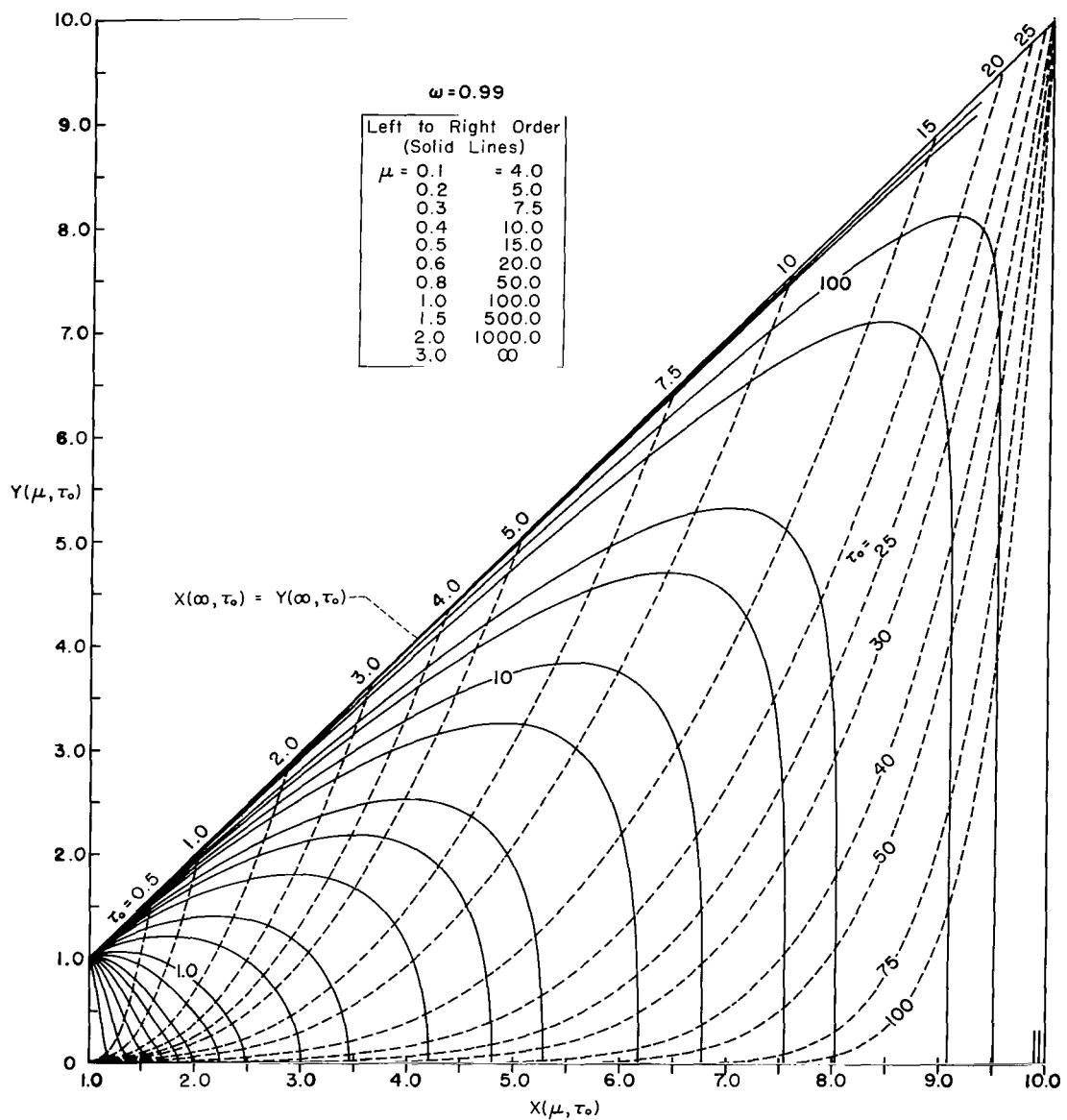


Figure 26.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; extended range of μ ($0 < \mu < \infty$), albedo $\omega = 0.99$.

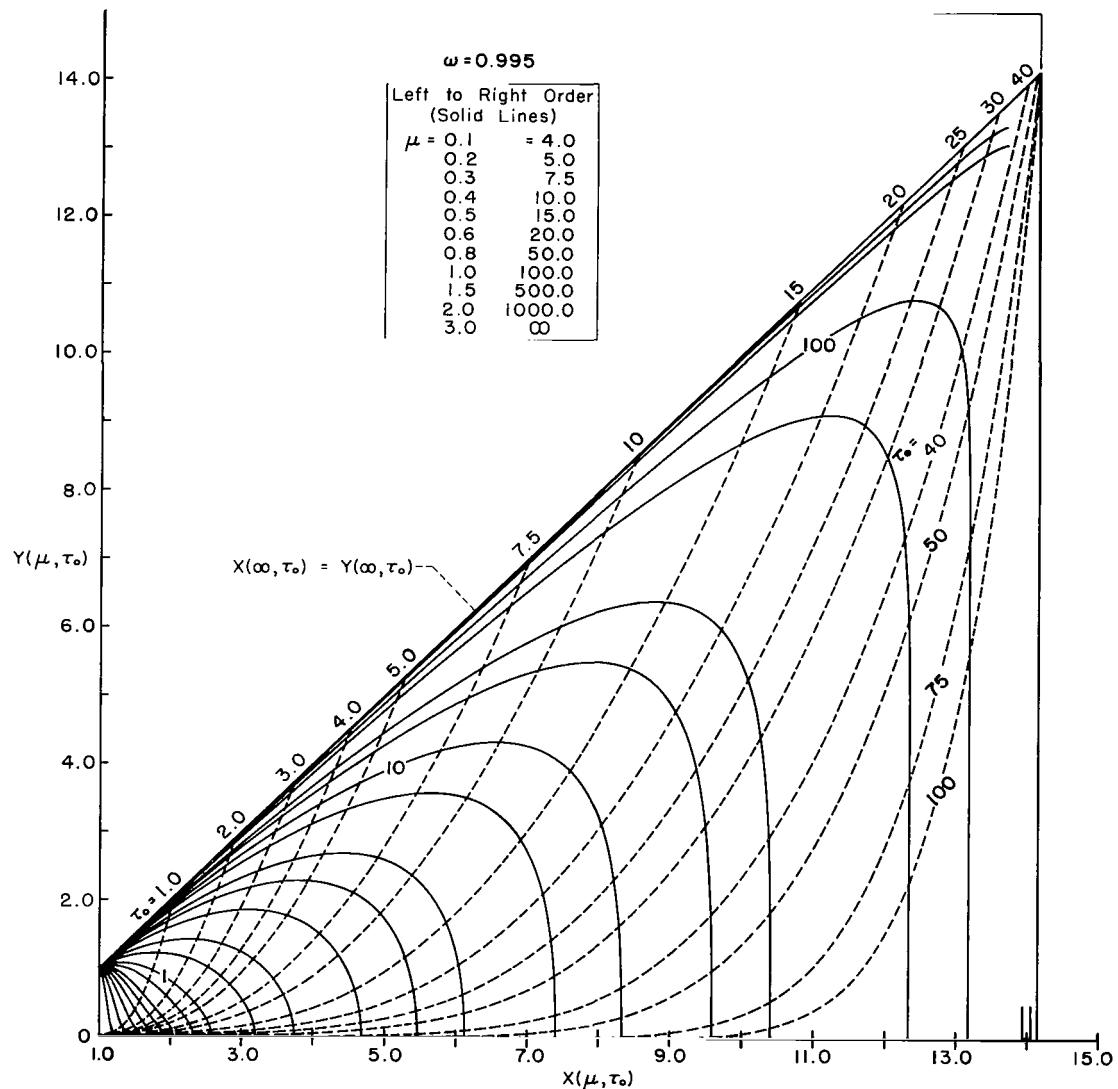


Figure 27.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; extended range of μ ($0 < \mu < \infty$), albedo $\omega = 0.995$.

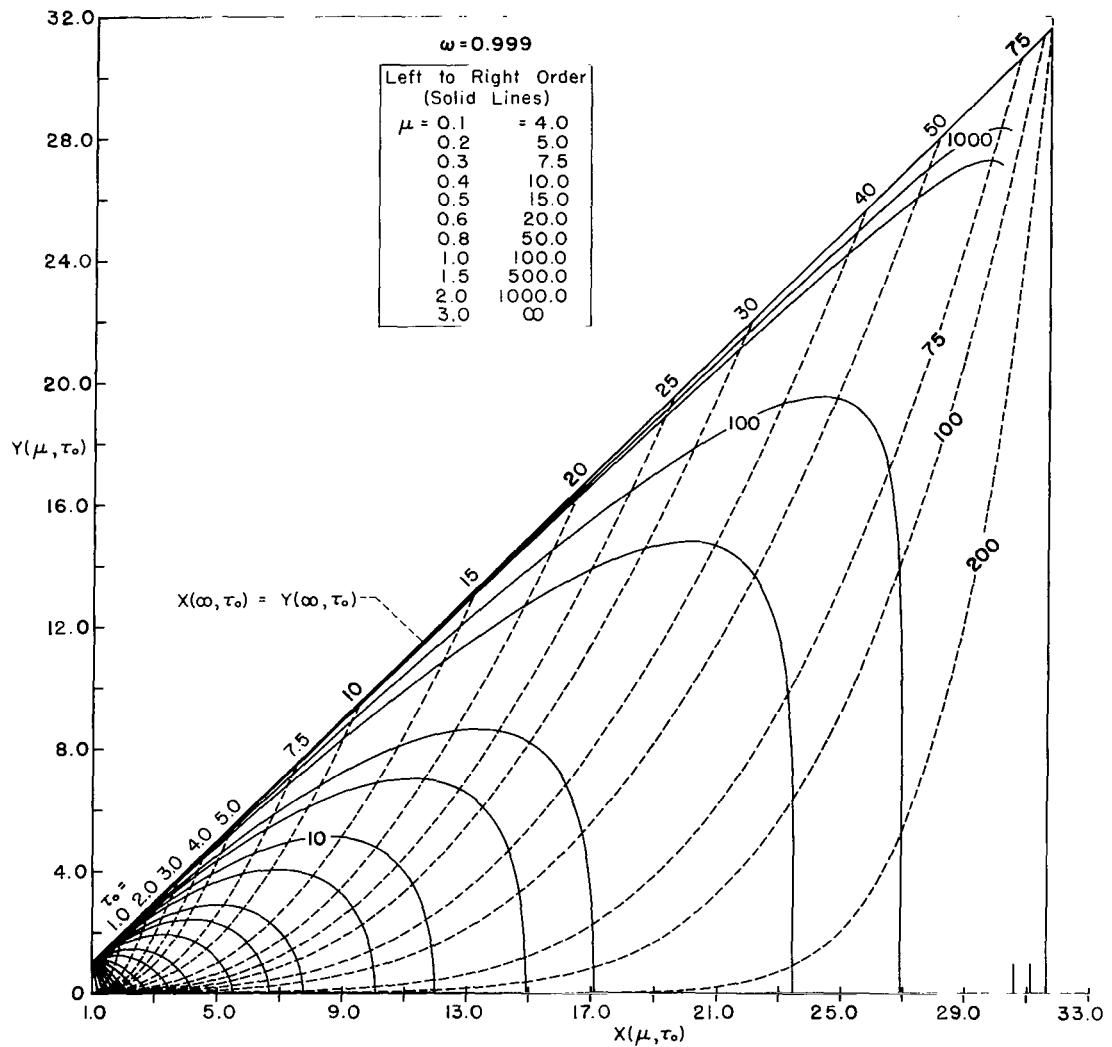


Figure 28.- $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; extended range of μ ($0 < \mu < \infty$), albedo $\omega = 0.999$.

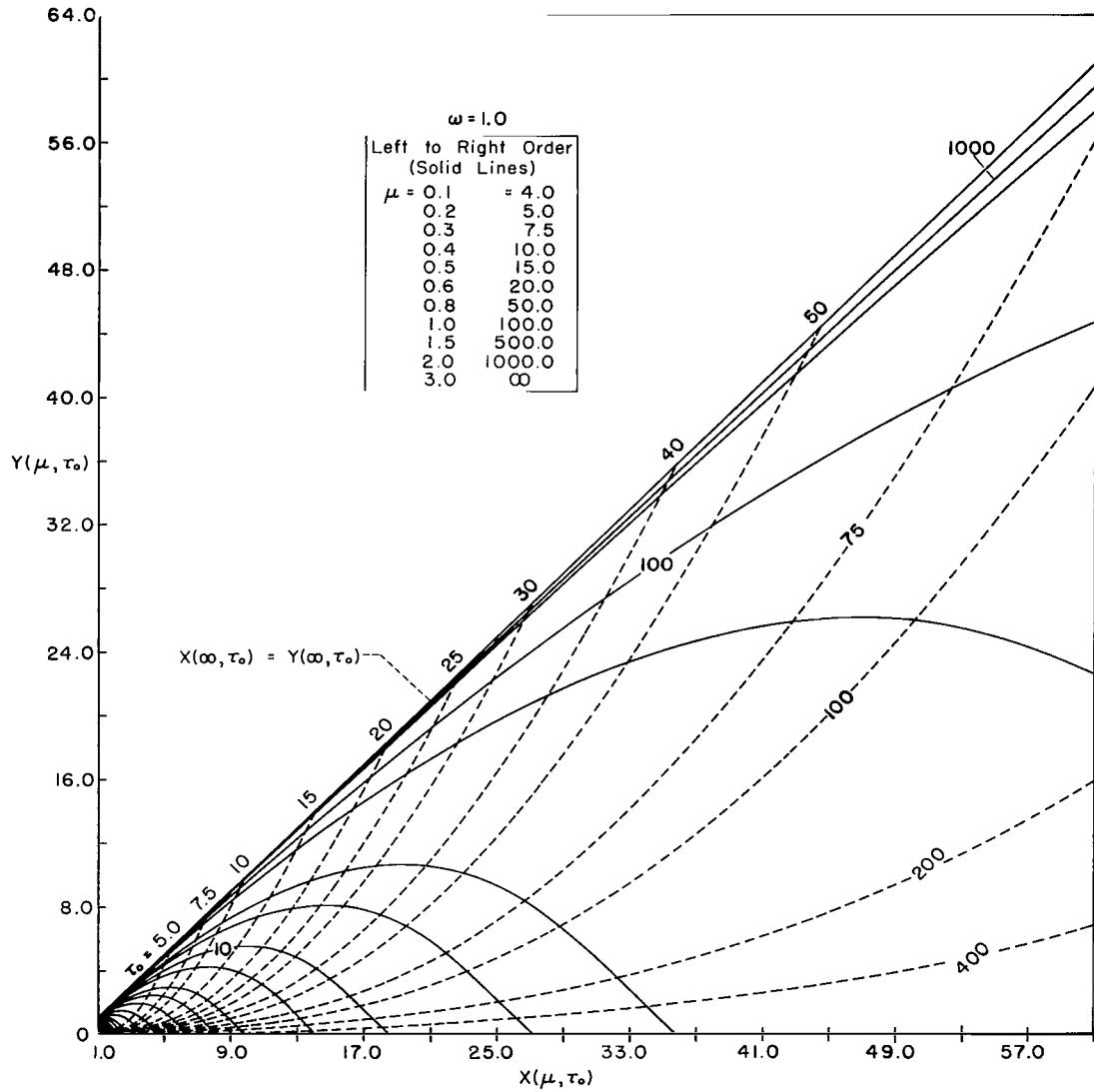


Figure 29. - $Y(\mu; \tau_0)$ vs. $X(\mu; \tau_0)$ for coherent scattering; extended range of μ ($0 < \mu < \infty$) albedo $\omega = 1.0$ (conservative case).

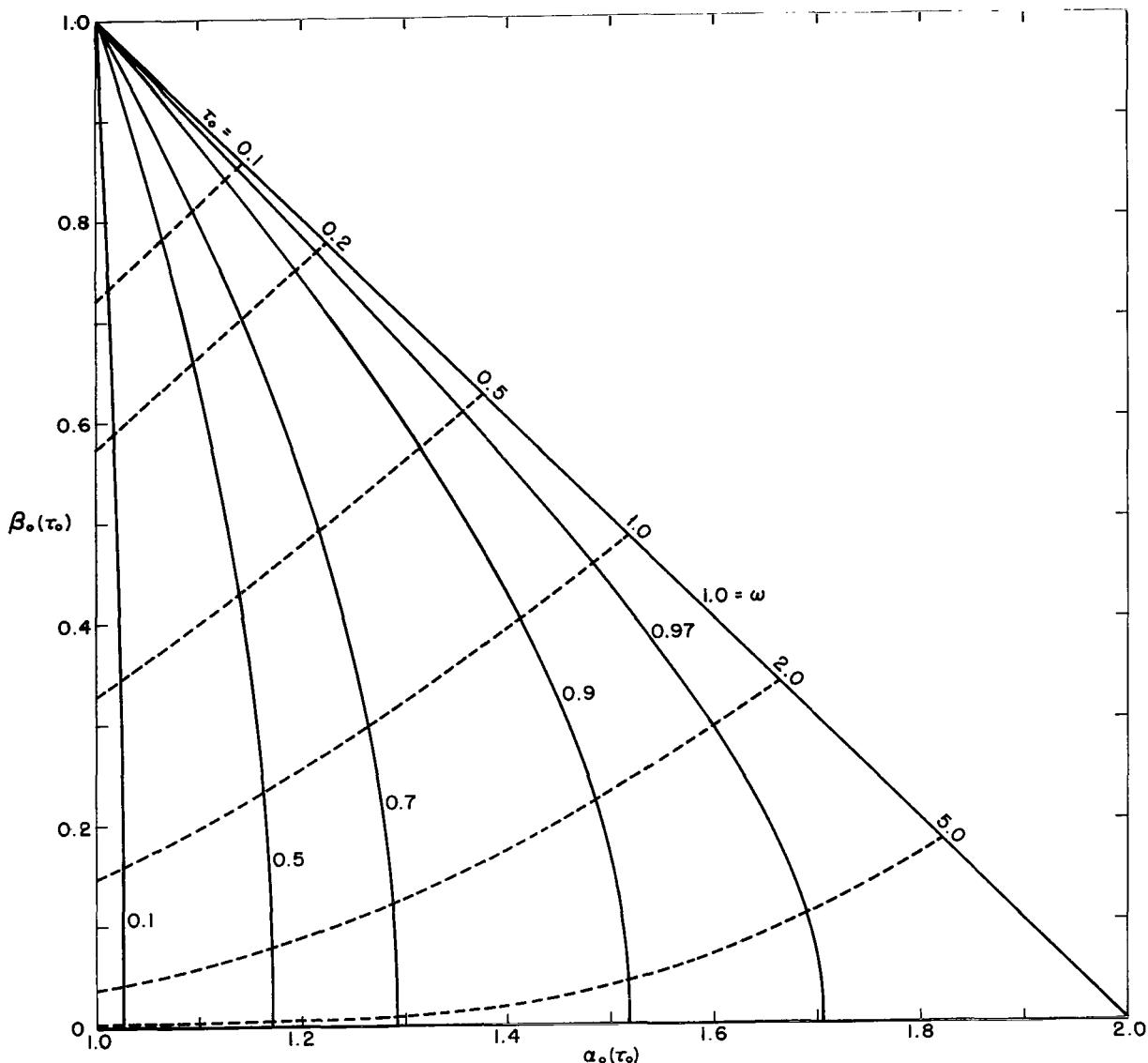


Figure 30.- Moments $\beta_o(\tau_o)$ vs. $\alpha_o(\tau_o)$ for coherent scattering; $0 \leq \omega \leq 1.$

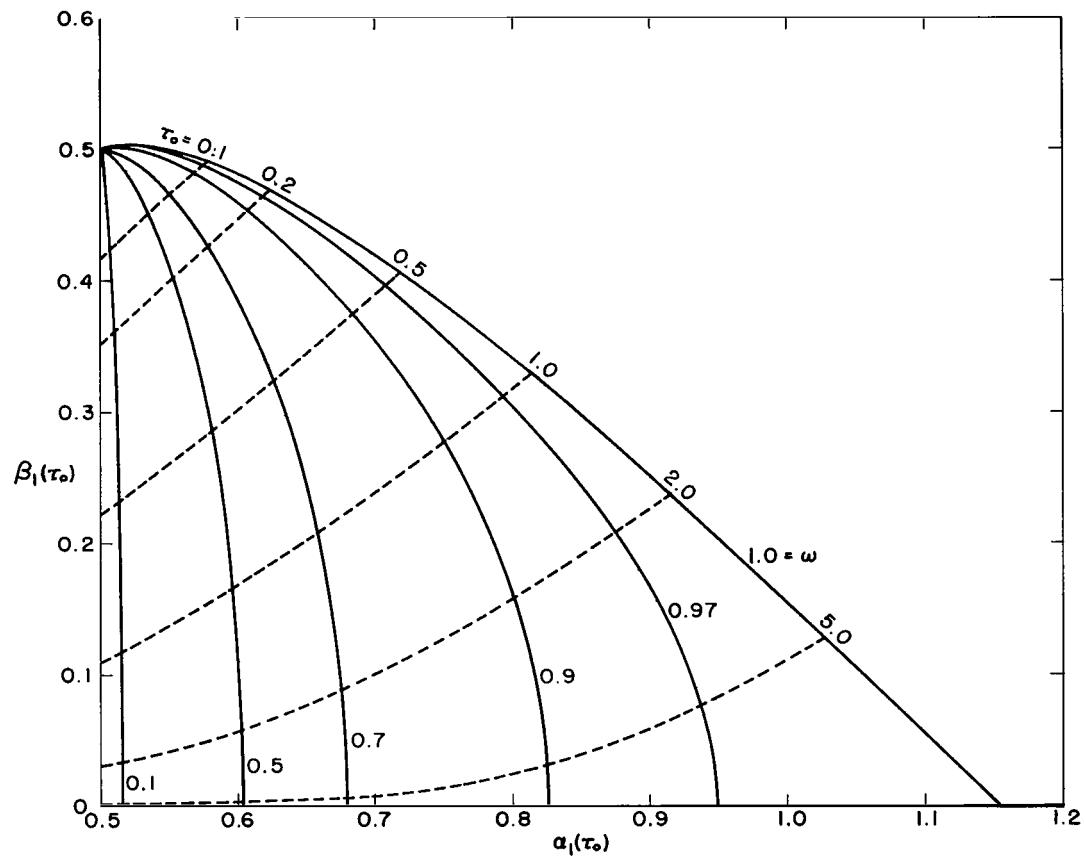


Figure 31.- Moments $\beta_1(\tau_0)$ vs. $\alpha_1(\tau_0)$ for coherent scattering; $0 \leq \omega \leq 1$.

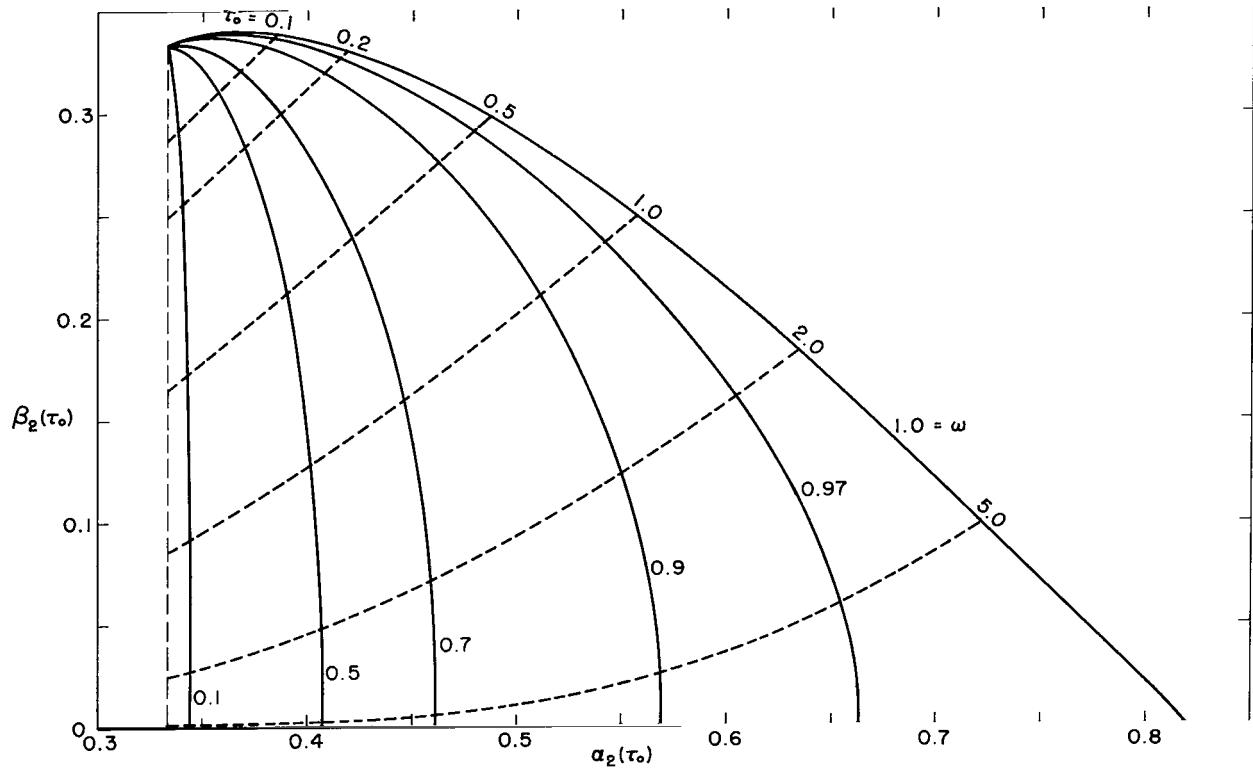


Figure 32.- Moments $\beta_2(\tau_0)$ vs. $\alpha_2(\tau_0)$ for coherent scattering; $0 \leq \omega \leq 1.$

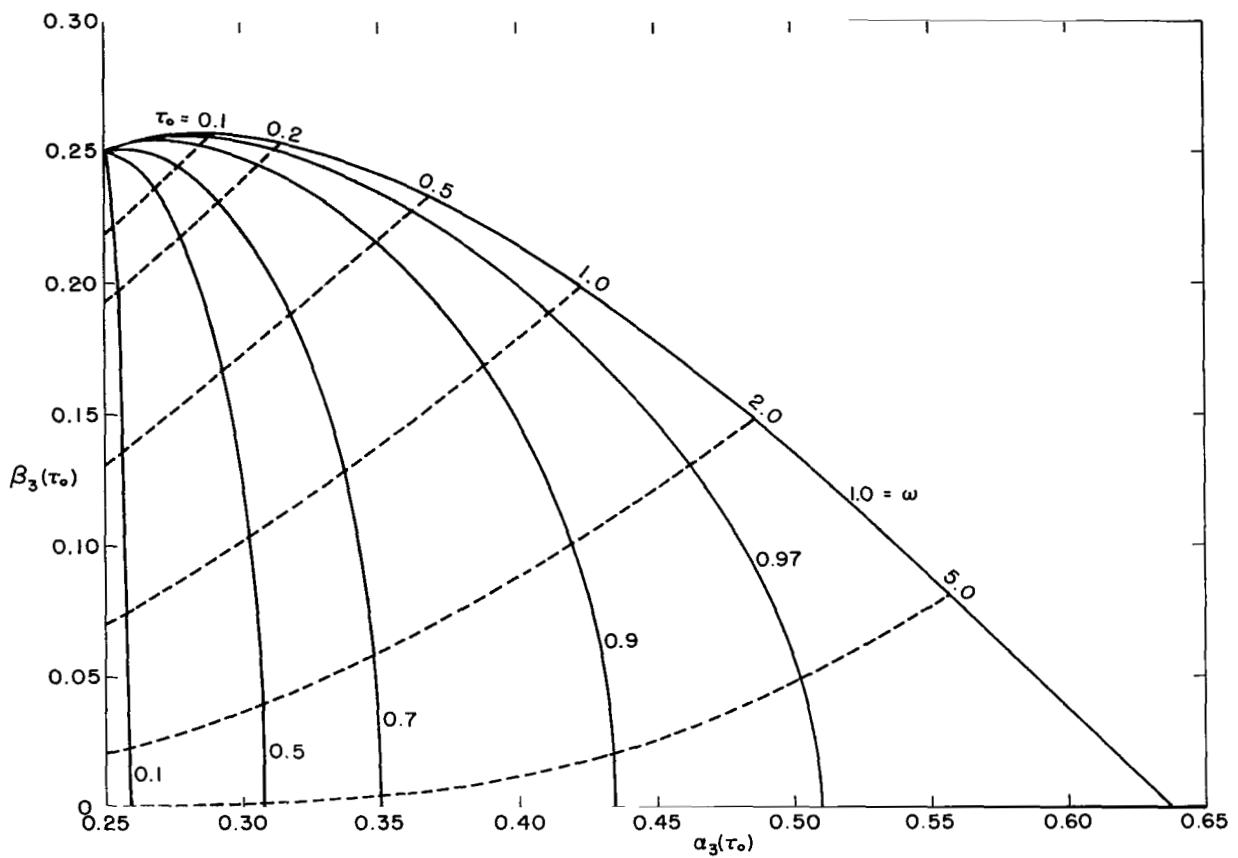


Figure 33.- Moments $\beta_3(\tau_0)$ vs. $\alpha_3(\tau_0)$ for coherent scattering; $0 \leq \omega \leq 1$.

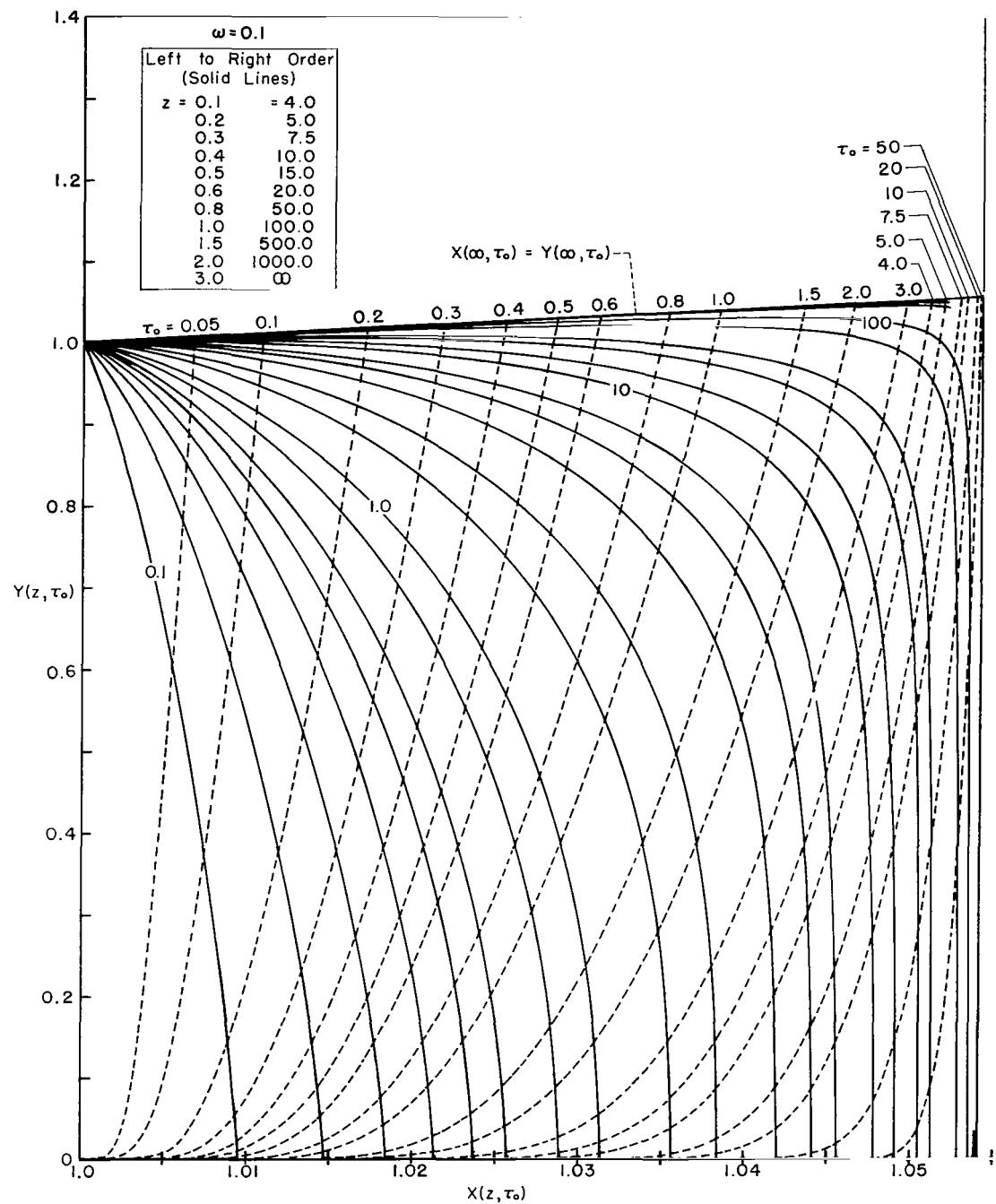


Figure 34.- $Y(z; \tau_0)$ vs. $X(z; \tau_0)$ for noncoherent (Doppler) scattering; albedo $\omega = 0.1$.

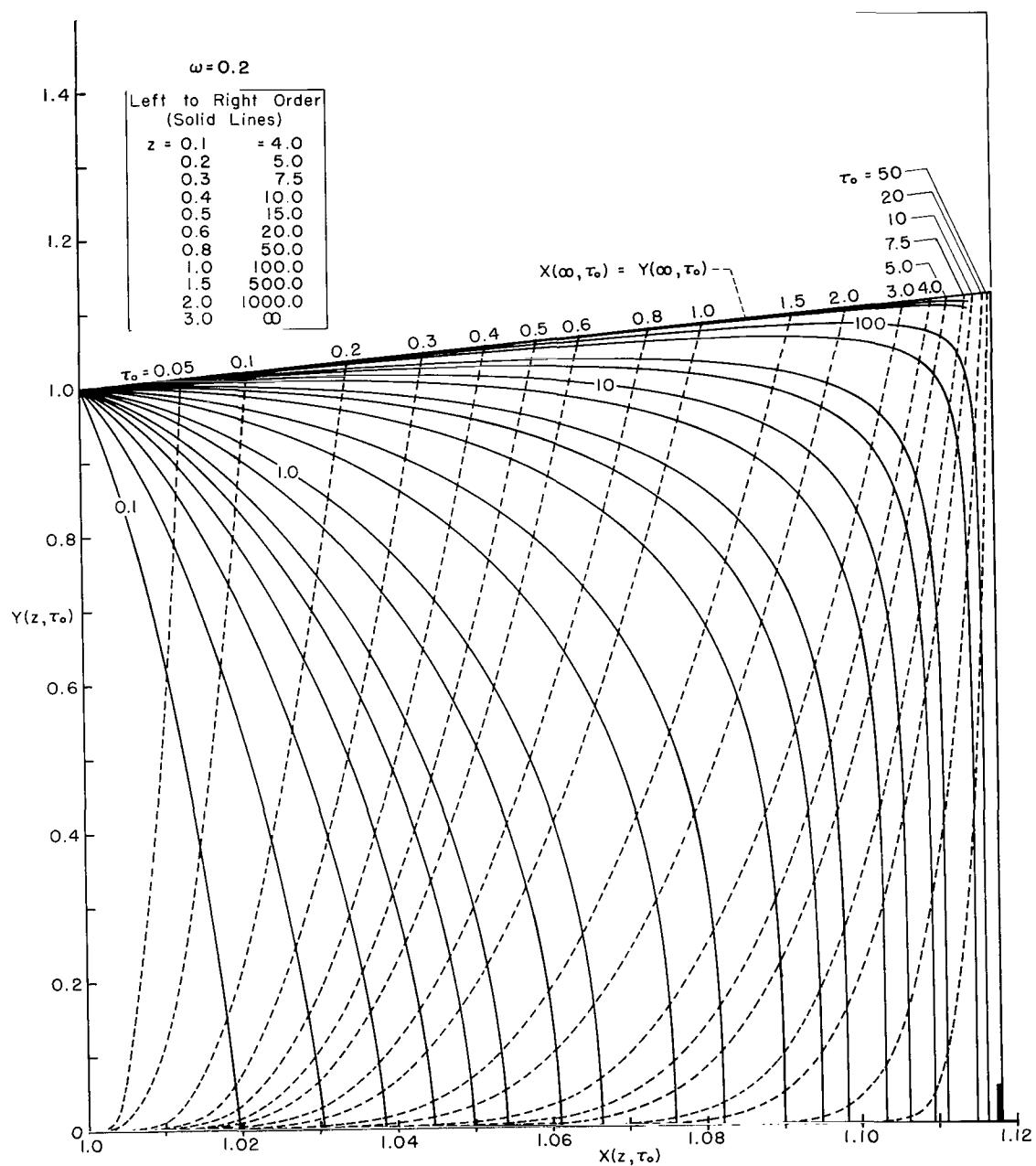


Figure 35.- $Y(z; \tau_0)$ vs. $X(z; \tau_0)$ for noncoherent (Doppler) scattering;
albedo $\omega = 0.2$.

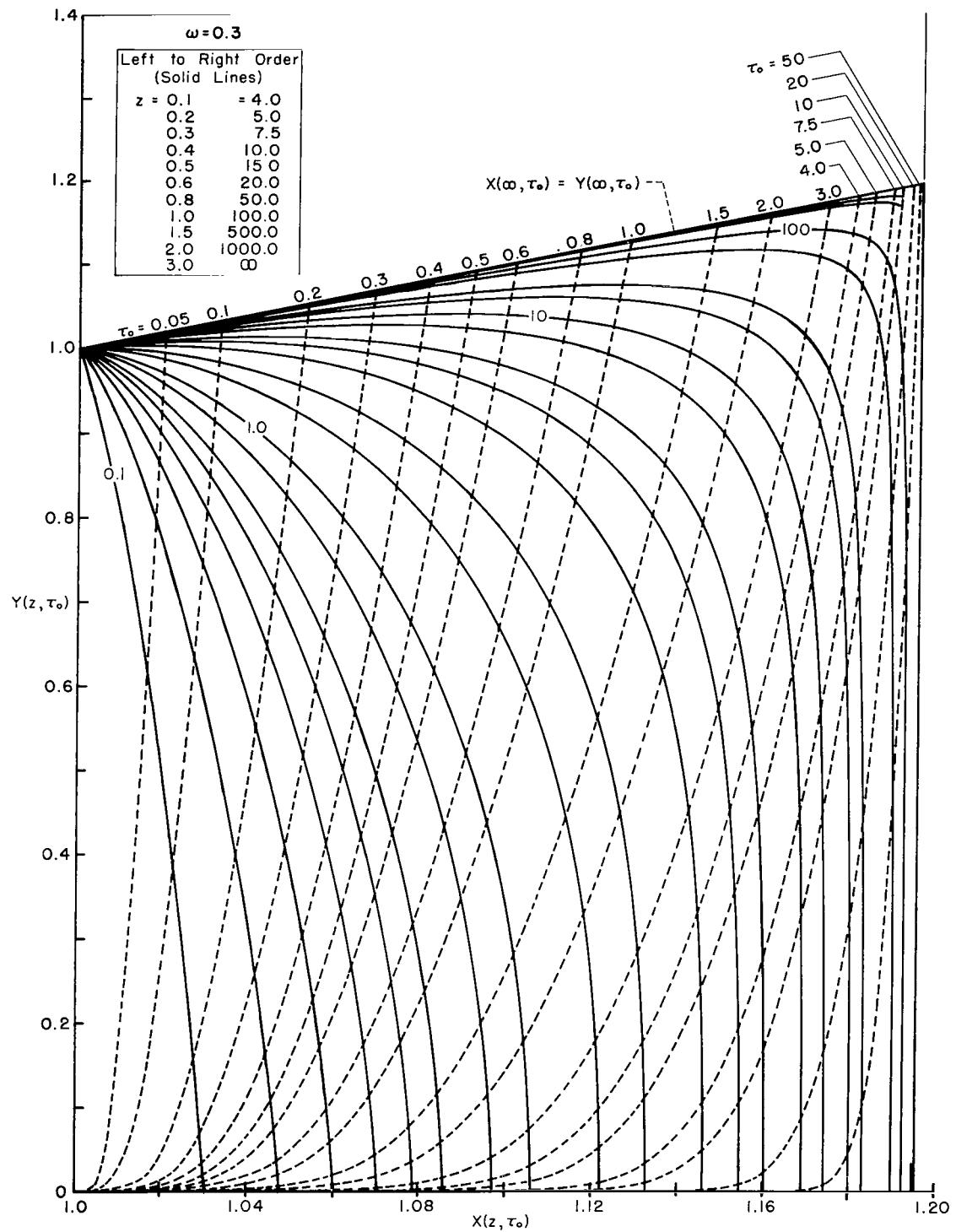


Figure 36.- $Y(z; \tau_0)$ vs. $X(z; \tau_0)$ for noncoherent (Doppler) scattering; albedo $\omega = 0.3$.

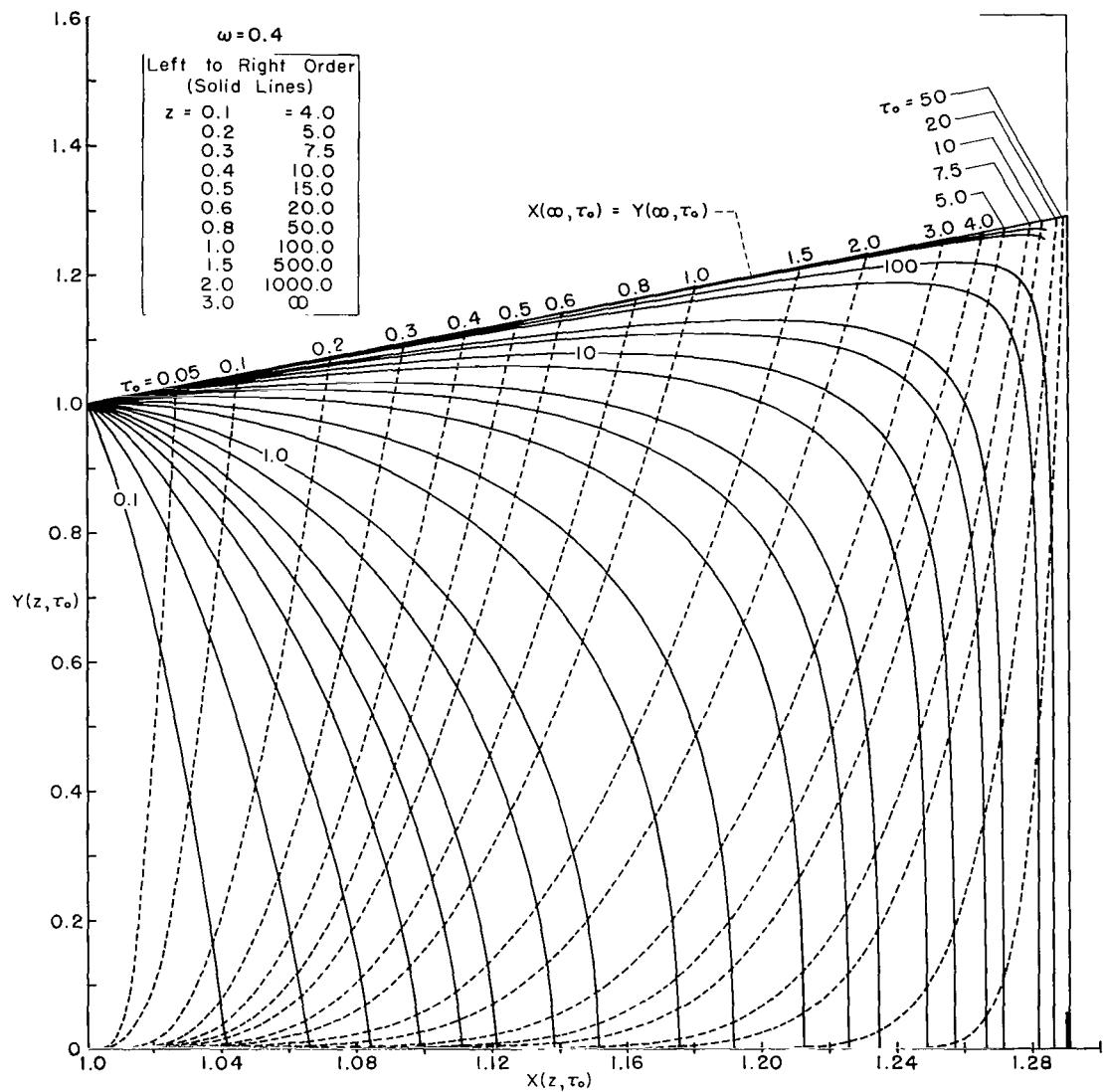


Figure 37.- $Y(z; \tau_0)$ vs. $X(z; \tau_0)$ for noncoherent (Doppler) scattering;
albedo $\omega = 0.4$.

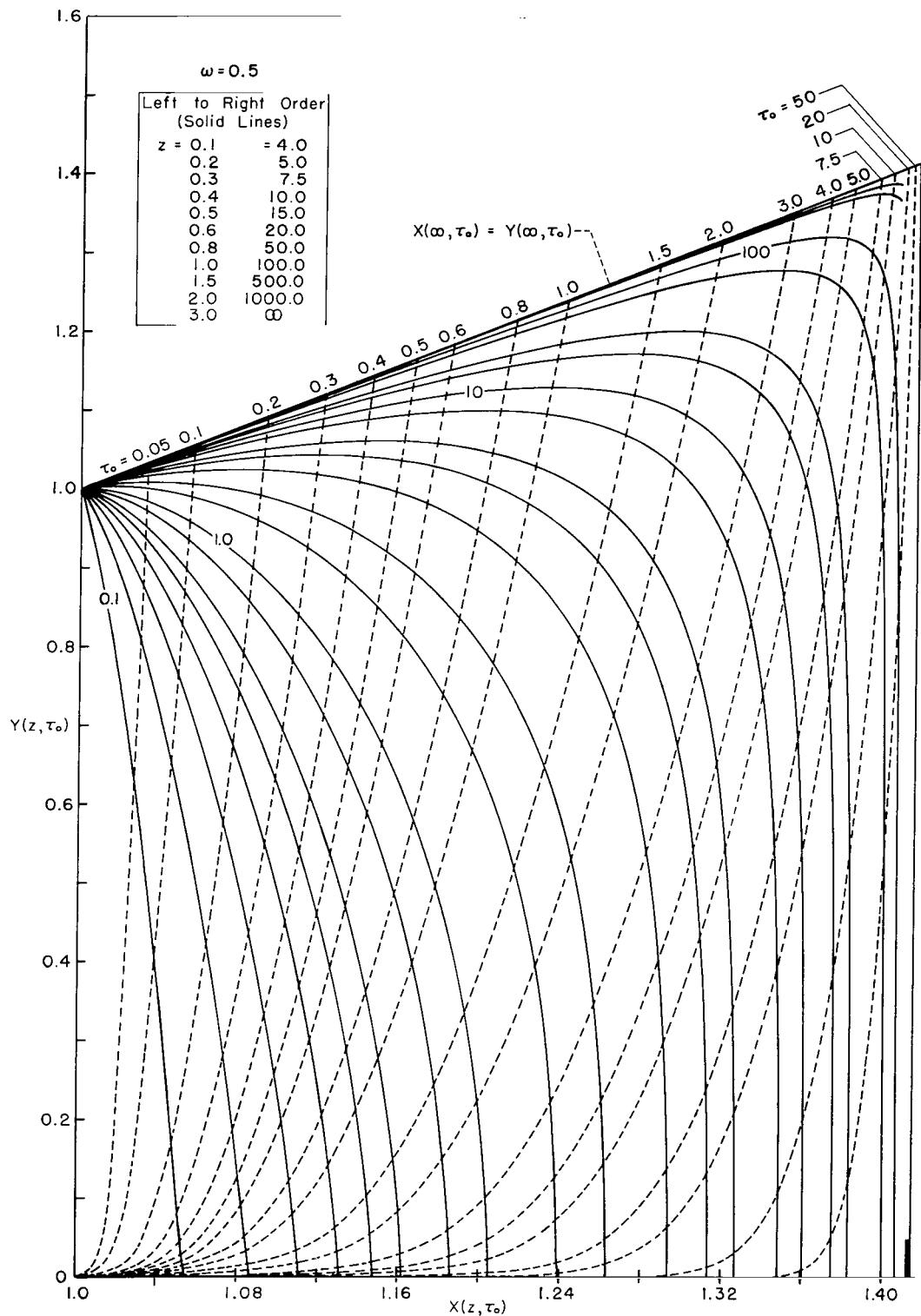


Figure 38.- $Y(z; \tau_0)$ vs. $X(z; \tau_0)$ for noncoherent (Doppler) scattering; albedo $\omega = 0.5$.

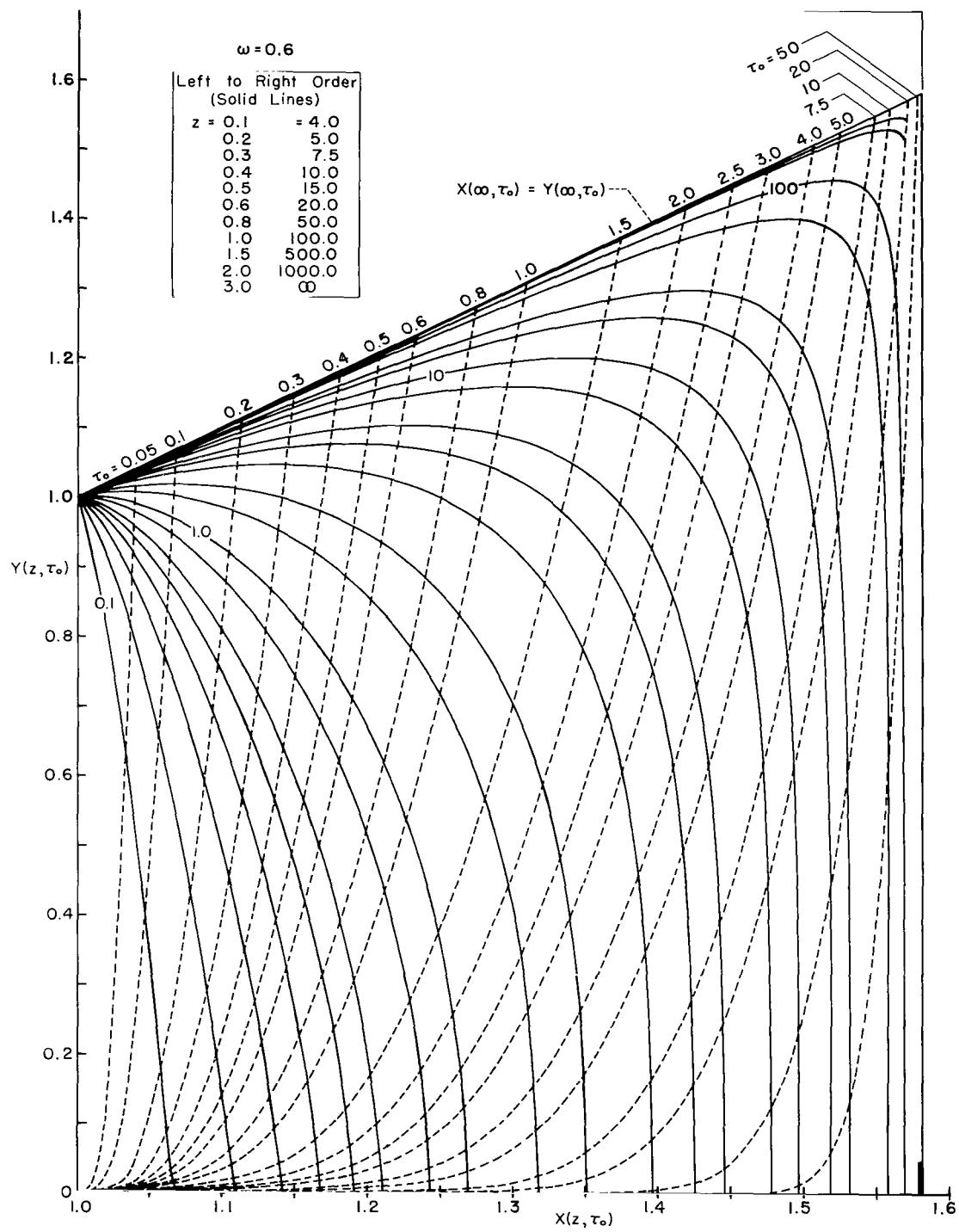


Figure 39.- $Y(z; \tau_0)$ vs. $X(z; \tau_0)$ for noncoherent (Doppler) scattering; albedo $\omega = 0.6$.

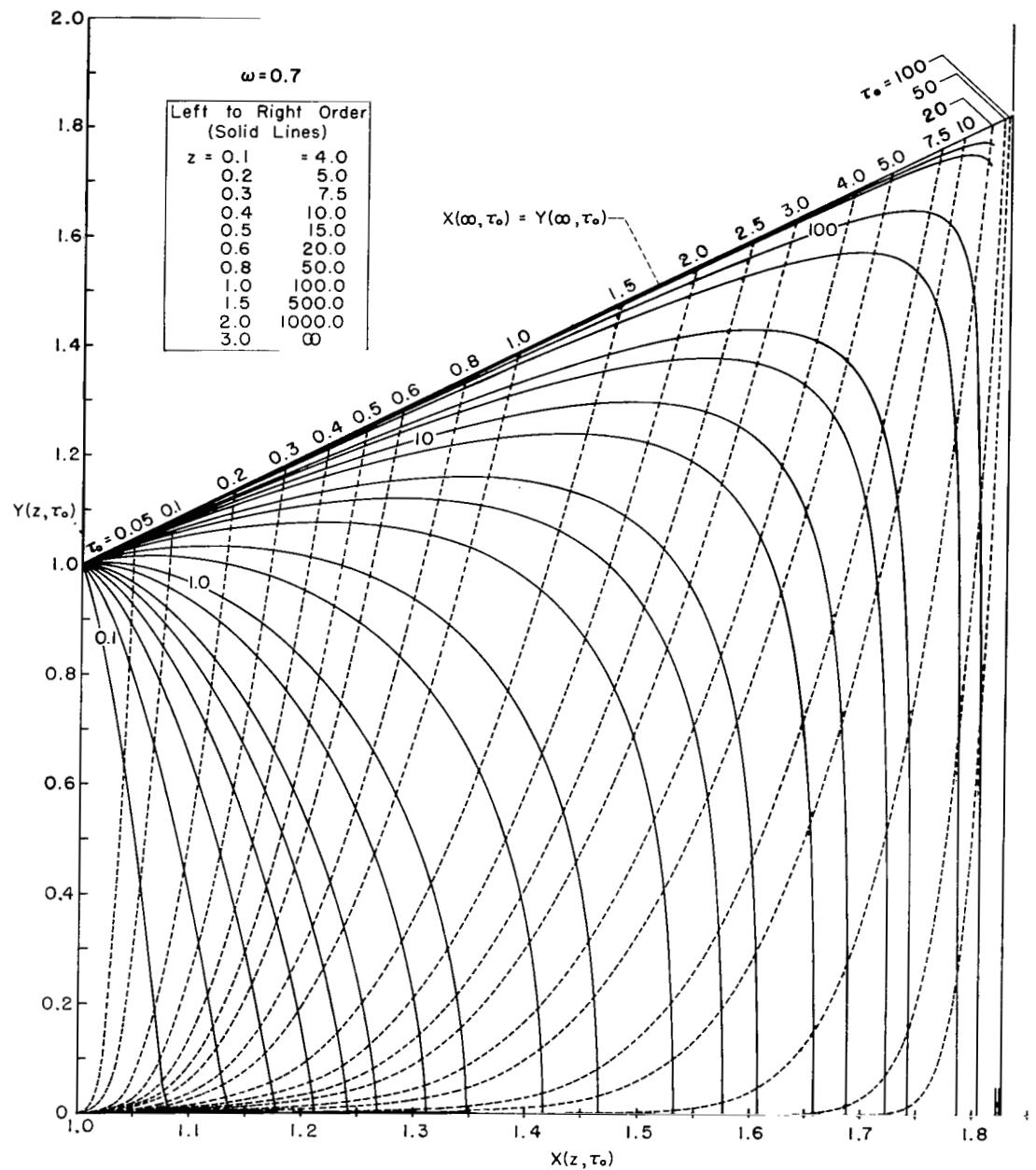


Figure 40.- $Y(z; \tau_0)$ vs. $X(z; \tau_0)$ for noncoherent (Doppler) scattering; albedo $\omega = 0.7$.

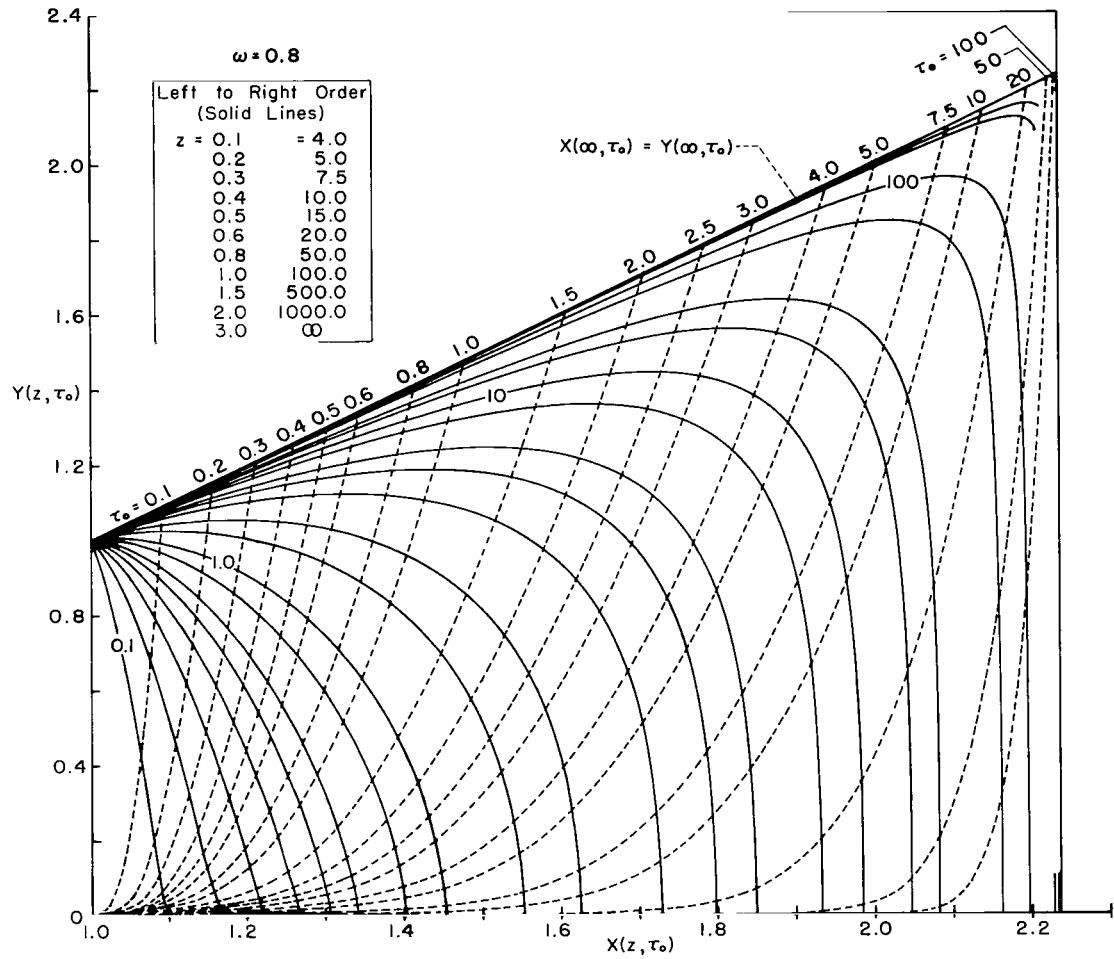


Figure 41.- $Y(z; \tau_0)$ vs. $X(z; \tau_0)$ for noncoherent (Doppler) scattering;
albedo $\omega = 0.8$.

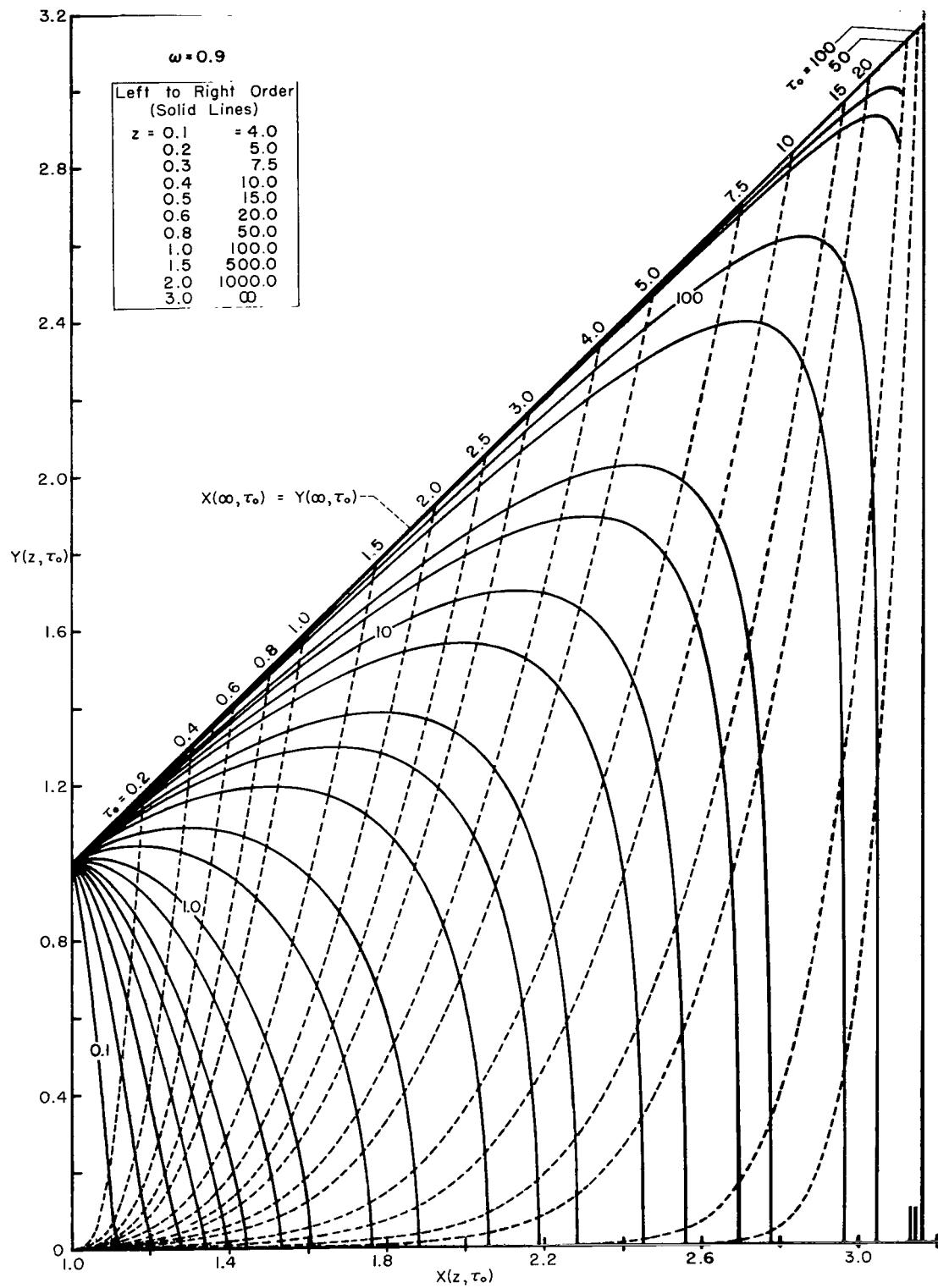


Figure 42.- $Y(z; \tau_0)$ vs. $X(z; \tau_0)$ for noncoherent (Doppler) scattering; albedo $\omega = 0.9$.

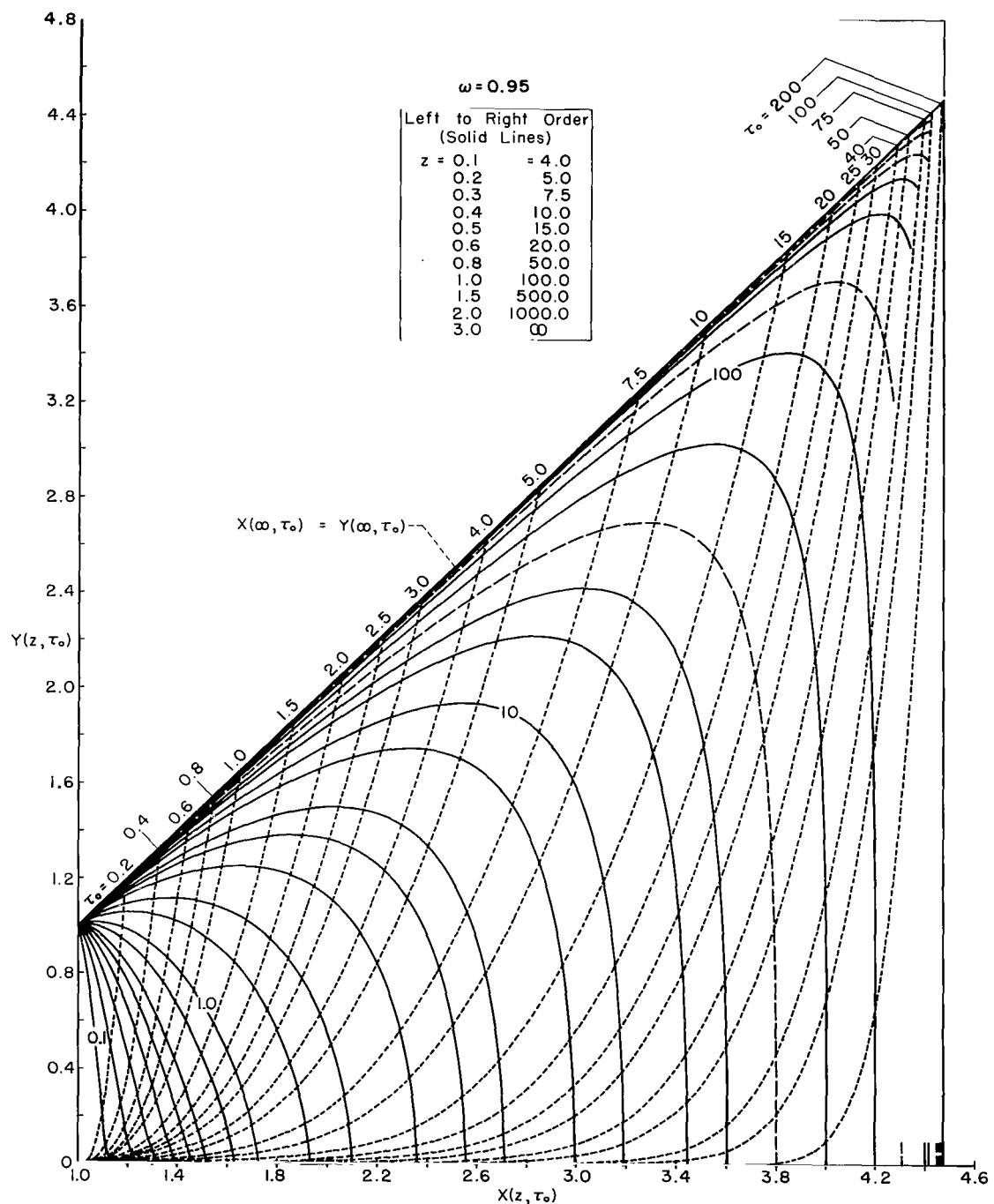


Figure 43.- $Y(z; \tau_0)$ vs. $X(z; \tau_0)$ for noncoherent (Doppler) scattering; albedo $\omega = 0.95$, extra z -lines are $z = 30, 200, 2,000, 5,000, 10,000$ (long dashes).

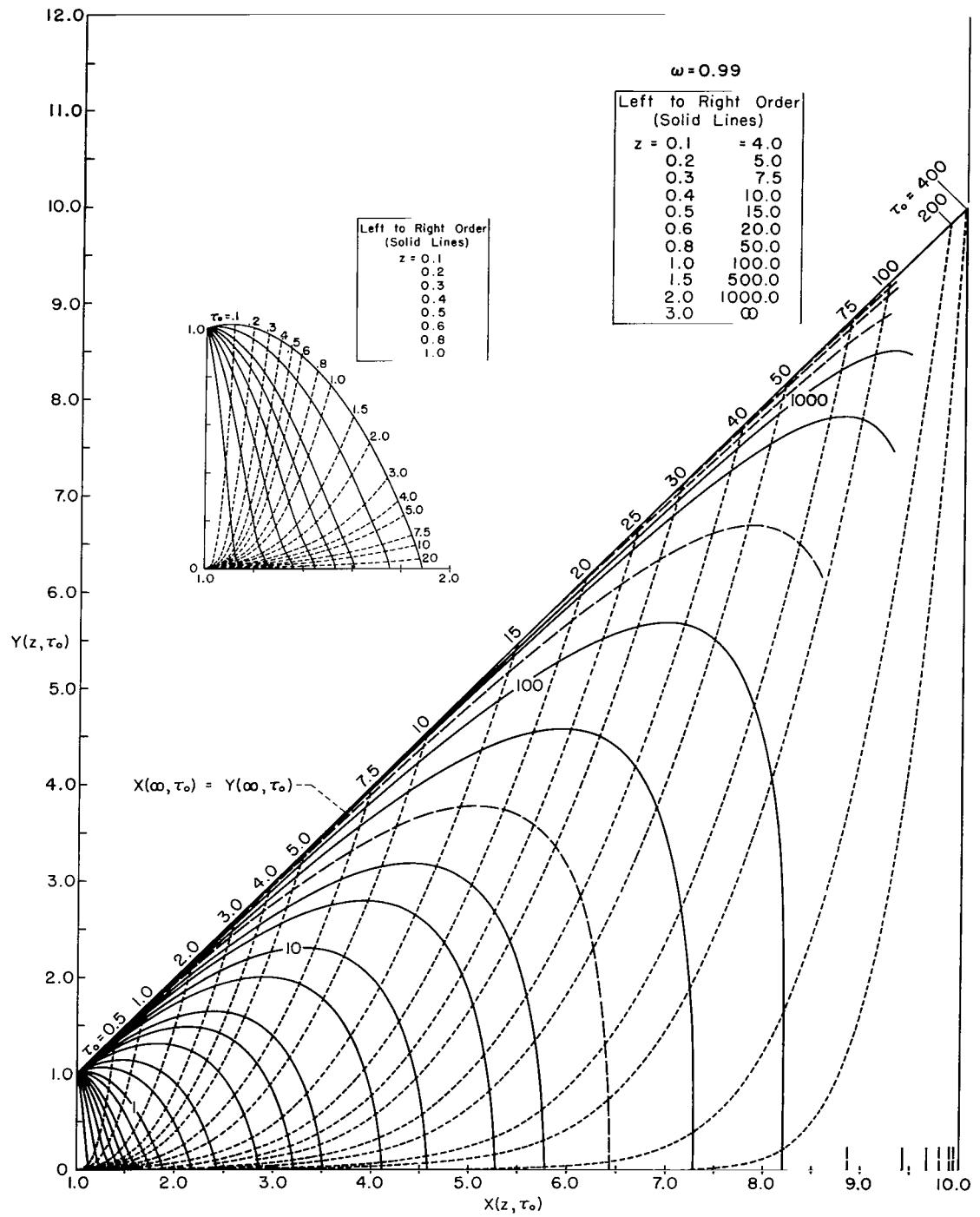


Figure 44.- $Y(z; \tau_0)$ vs. $X(z; \tau_0)$ for noncoherent (Doppler) scattering; albedo $\omega = 0.99$, extra z -lines are $z = 30, 200, 2,000, 5,000, 10,000$ (long dashes).

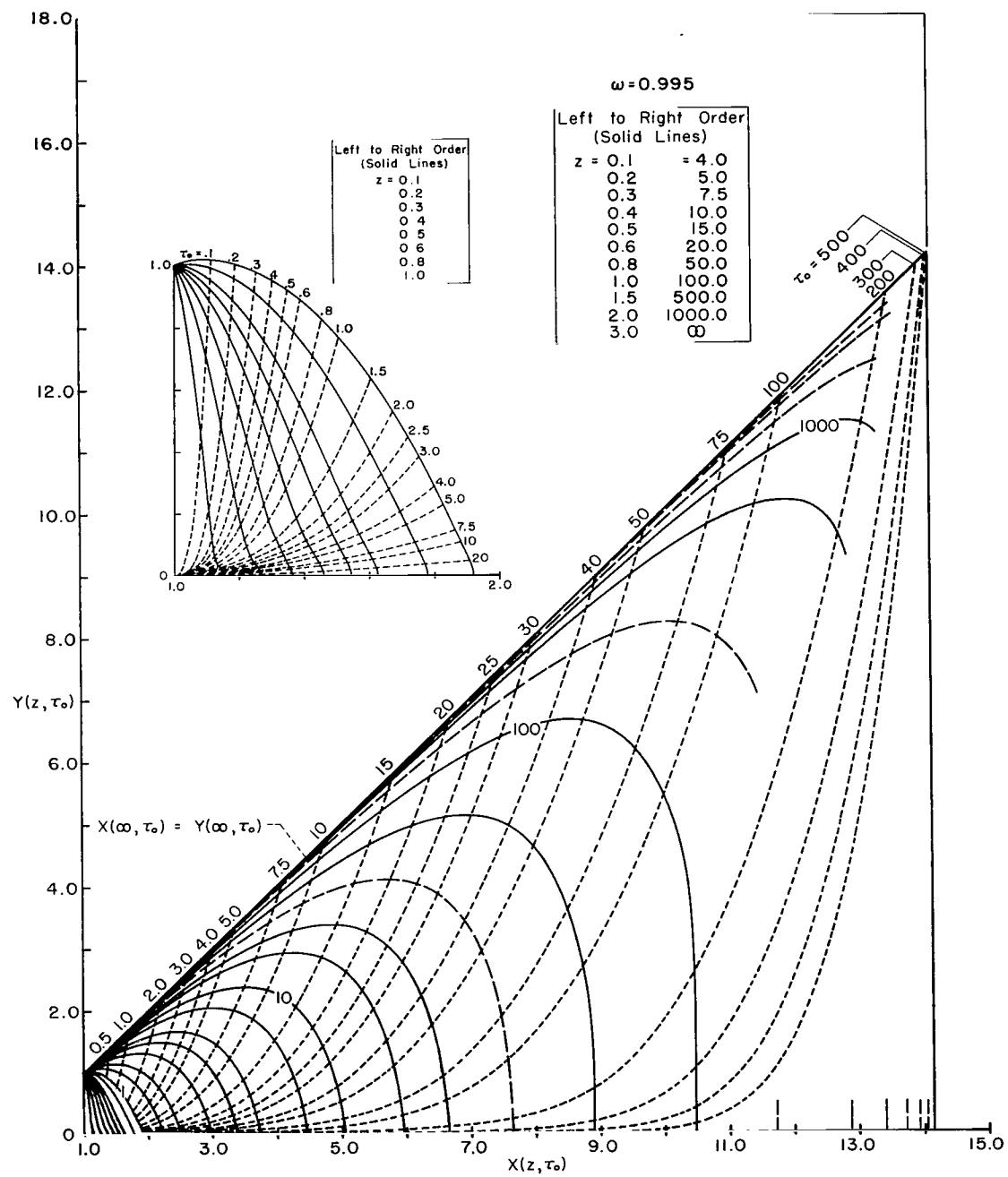
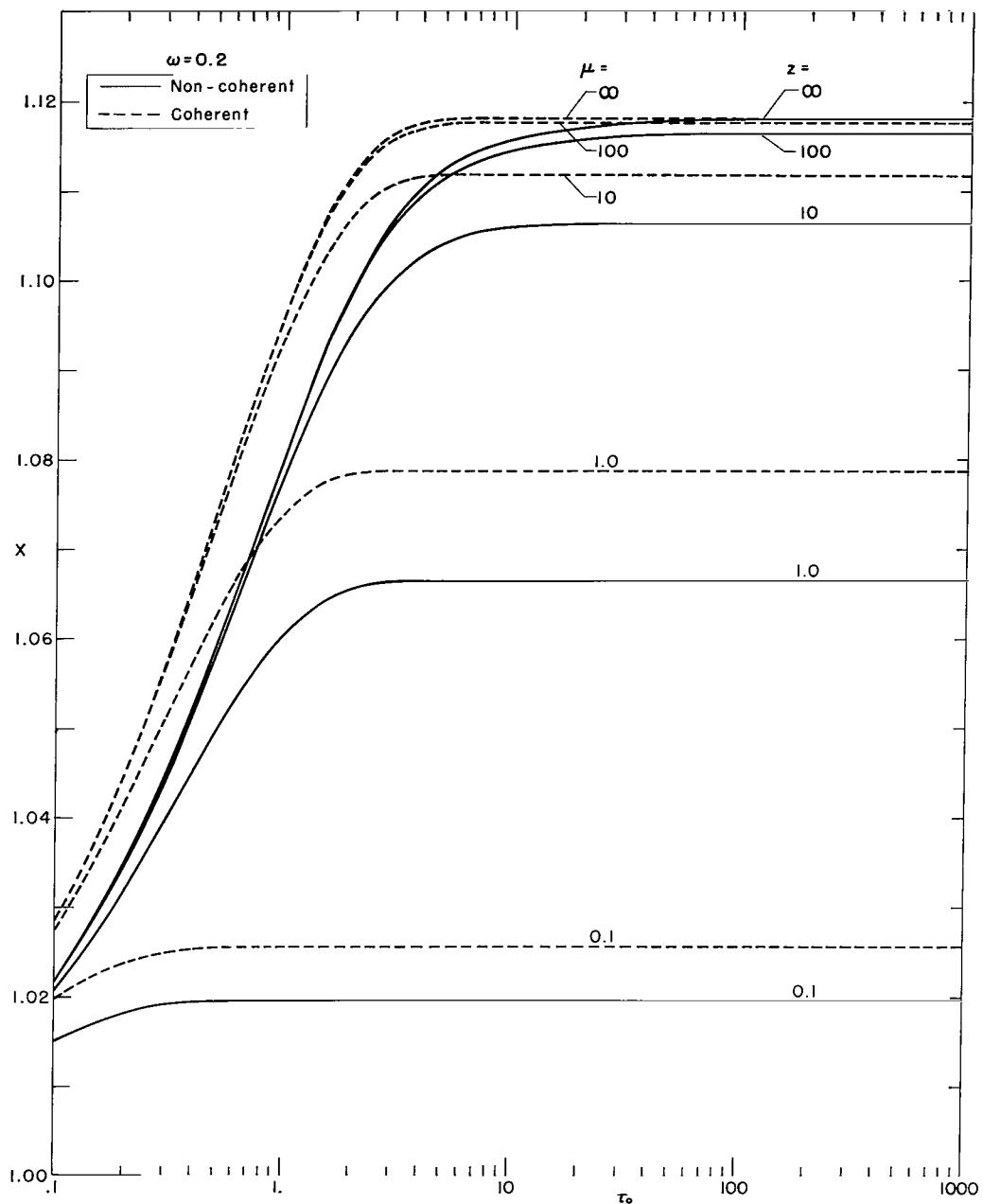
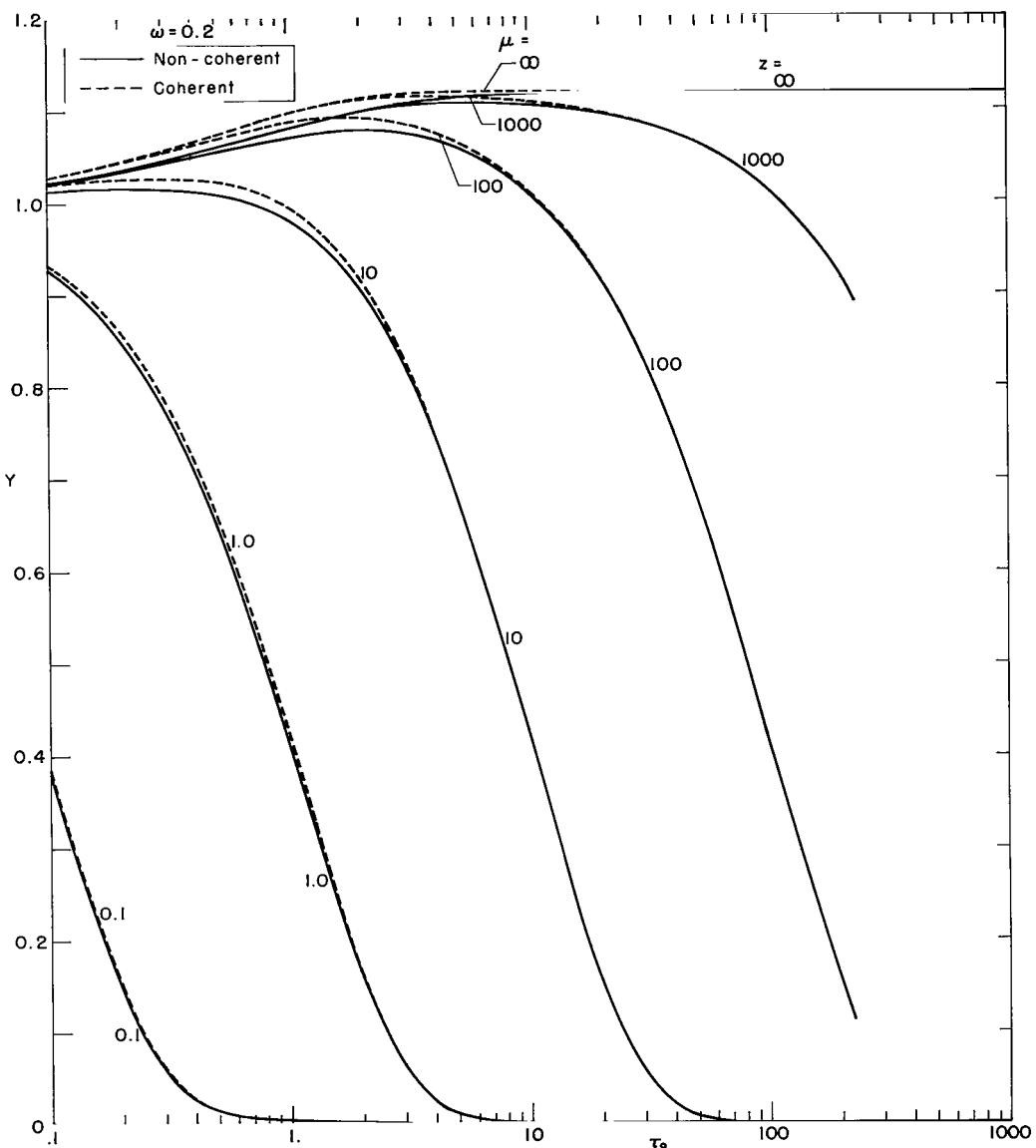


Figure 45.- $Y(z; \tau_0)$ vs. $X(z; \tau_0)$ for noncoherent (Doppler) scattering; albedo $\omega = 0.995$, extra z -lines are $z = 30, 200, 2,000, 5,000, 10,000$ (long dashes).



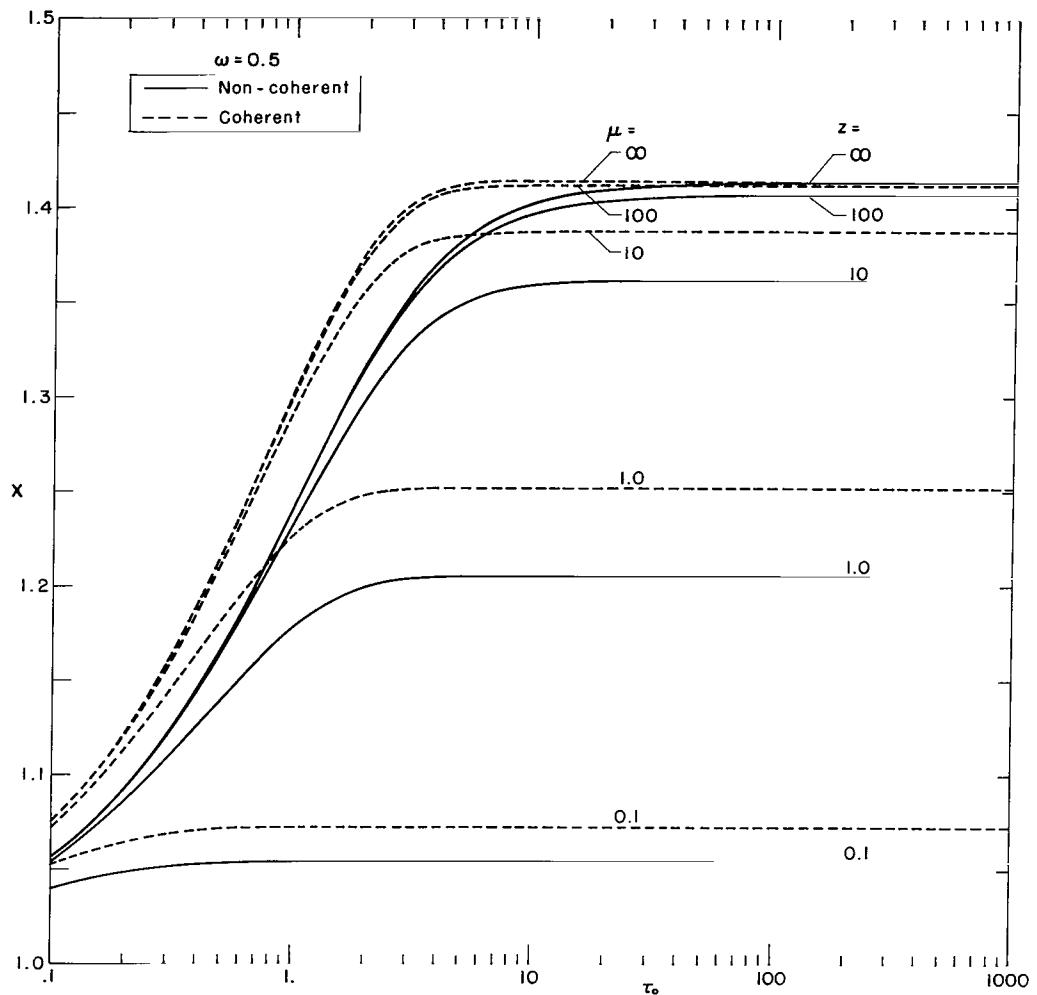
(a) X-function

Figure 46.- The X- and Y-functions vs. $\ln \tau_0$ for coherent and noncoherent scattering; albedo $\omega = 0.2$.



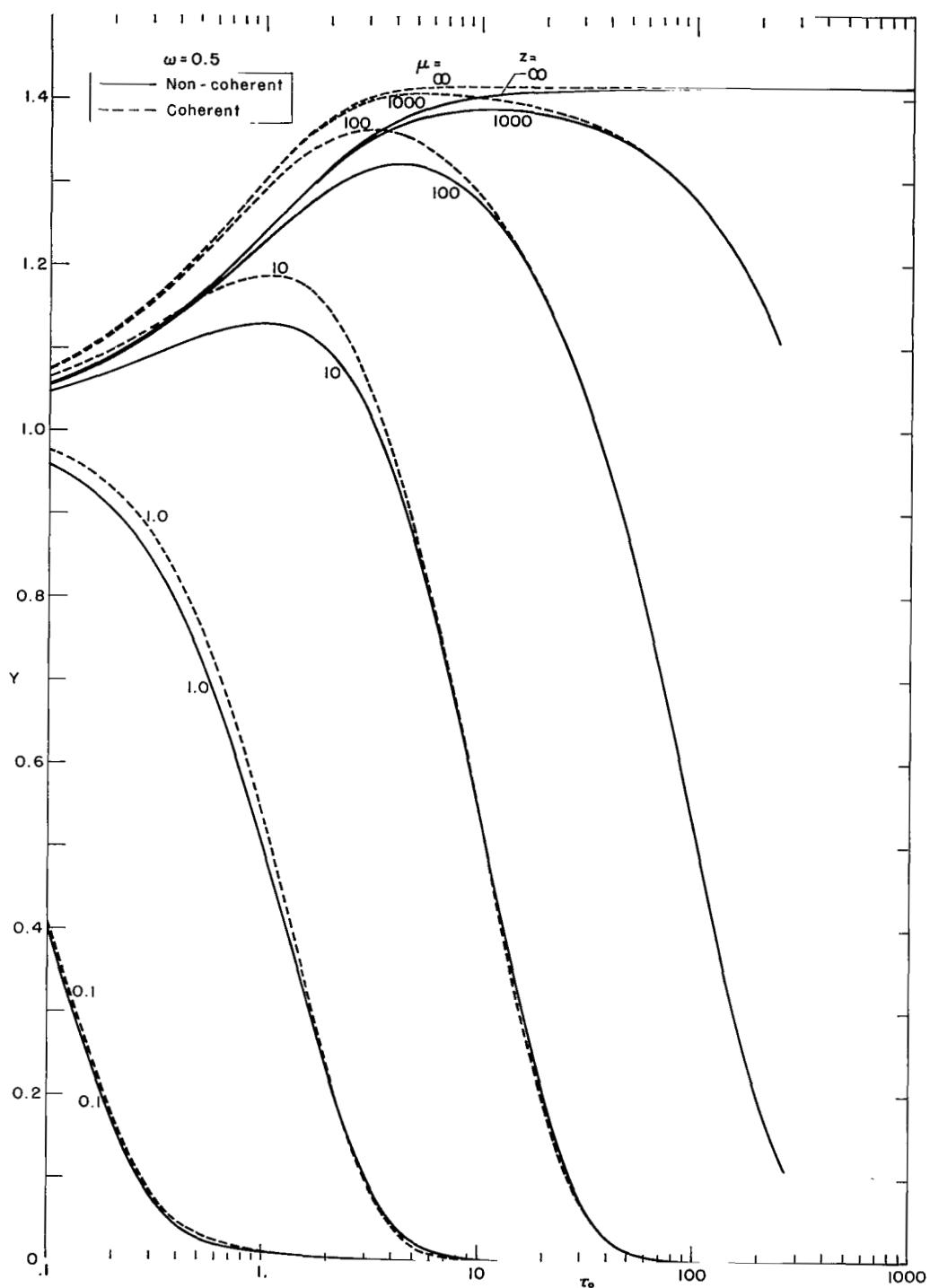
(b) Y -function

Figure 46.- Concluded.



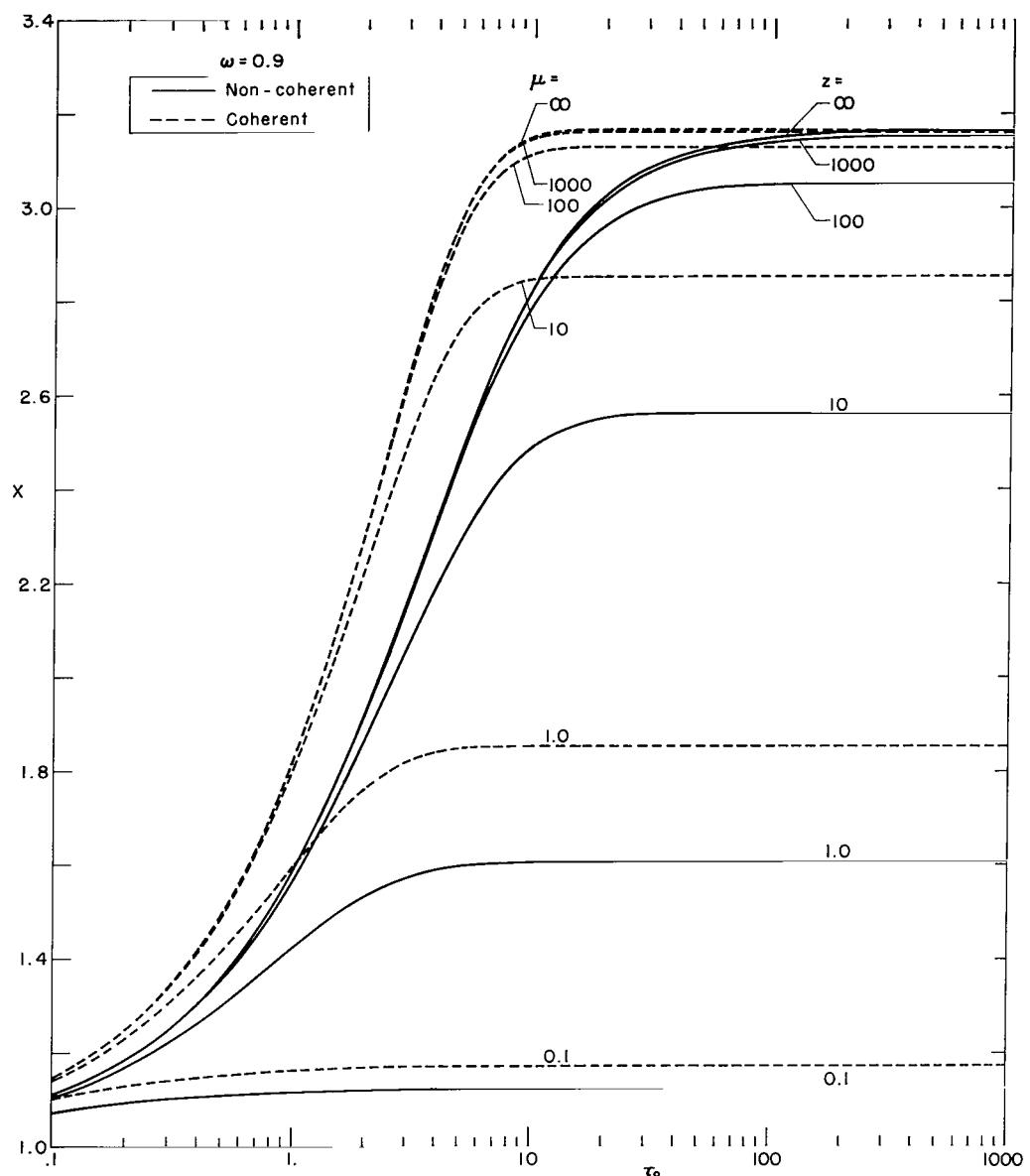
(a) X-function

Figure 47.- The X- and Y-functions vs. $\ln \tau_0$ for coherent and noncoherent scattering; albedo $\omega = 0.5$.



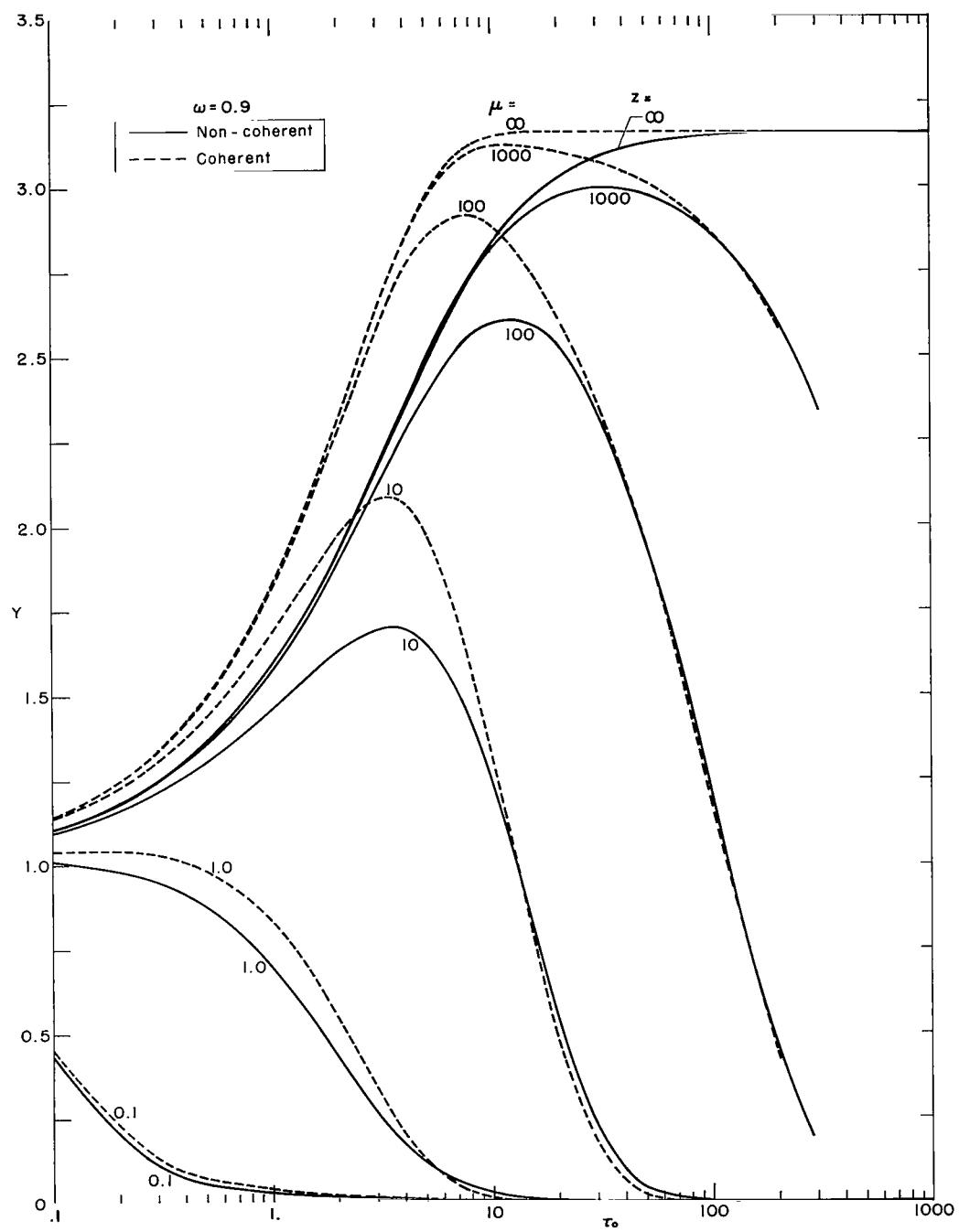
(b) Y -function

Figure 47. - Concluded.



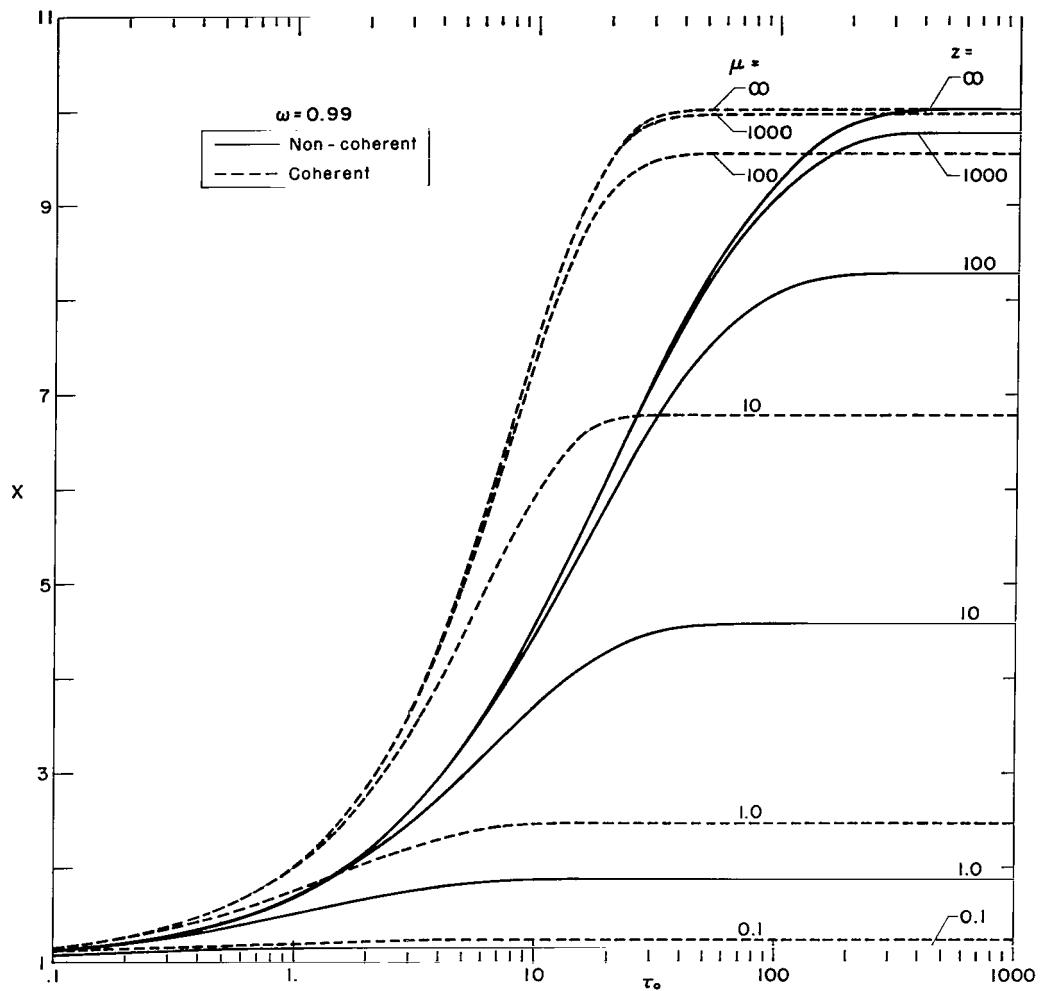
(a) X-function

Figure 48.- The X- and Y-functions vs. $\ln \tau_0$ for coherent and noncoherent scattering; albedo $\omega = 0.9$.



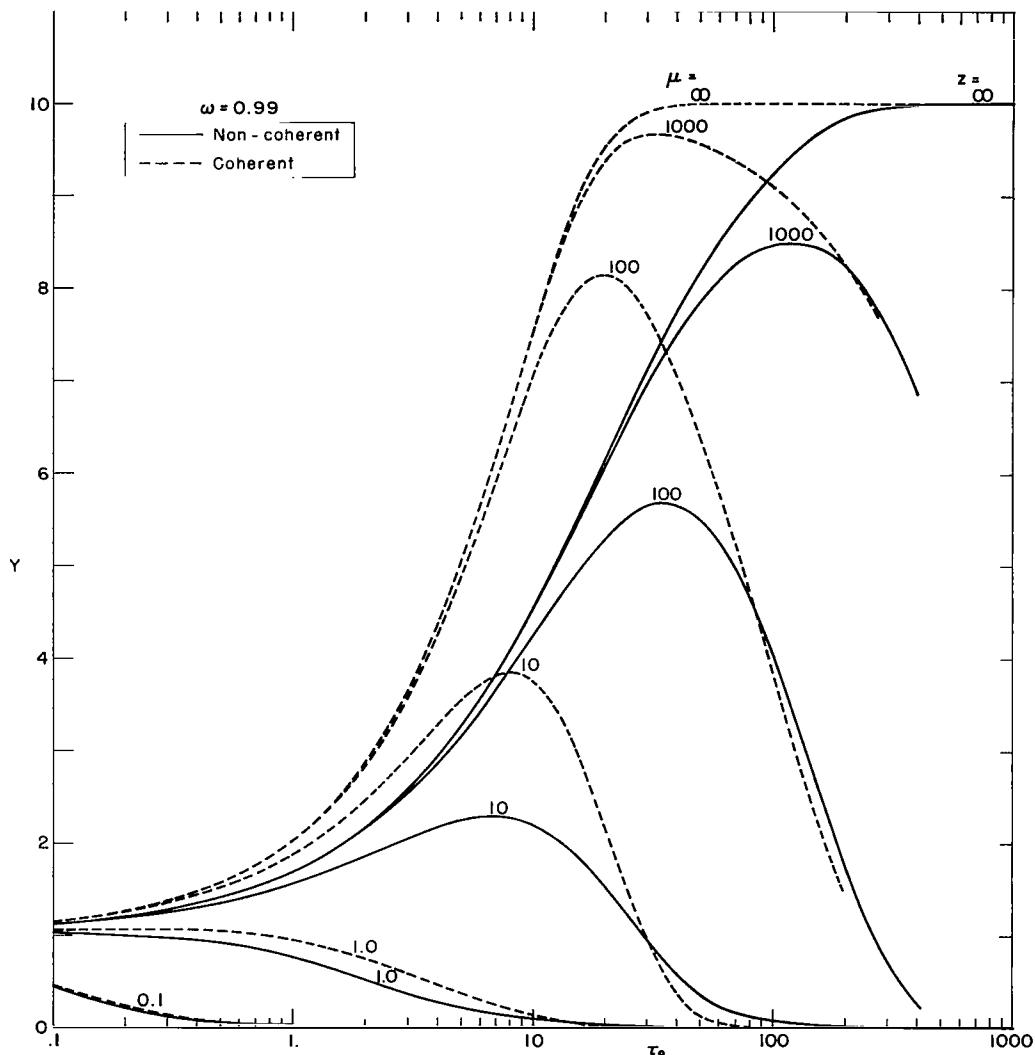
(b) Y -function

Figure 48.- Concluded.



(a) X-function

Figure 49.- The X- and Y-functions vs. $\ln \tau_0$ for coherent and noncoherent scattering; albedo $\omega = 0.99$.



(b) Y -function

Figure 49.- Concluded.

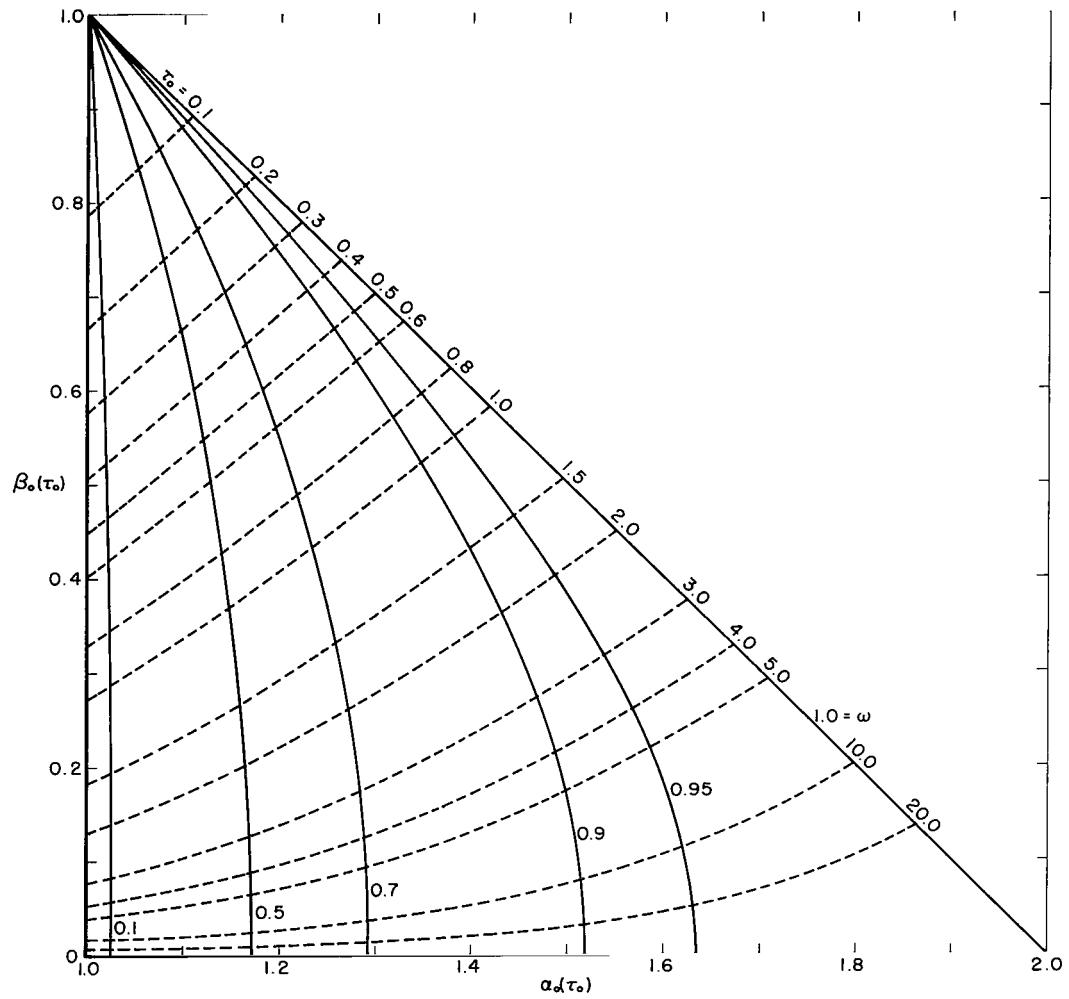


Figure 50.- Moments $\beta_o(\tau_o)$ vs. $\alpha_o(\tau_o)$ for noncoherent scattering; $0 \leq \omega \leq 1$.

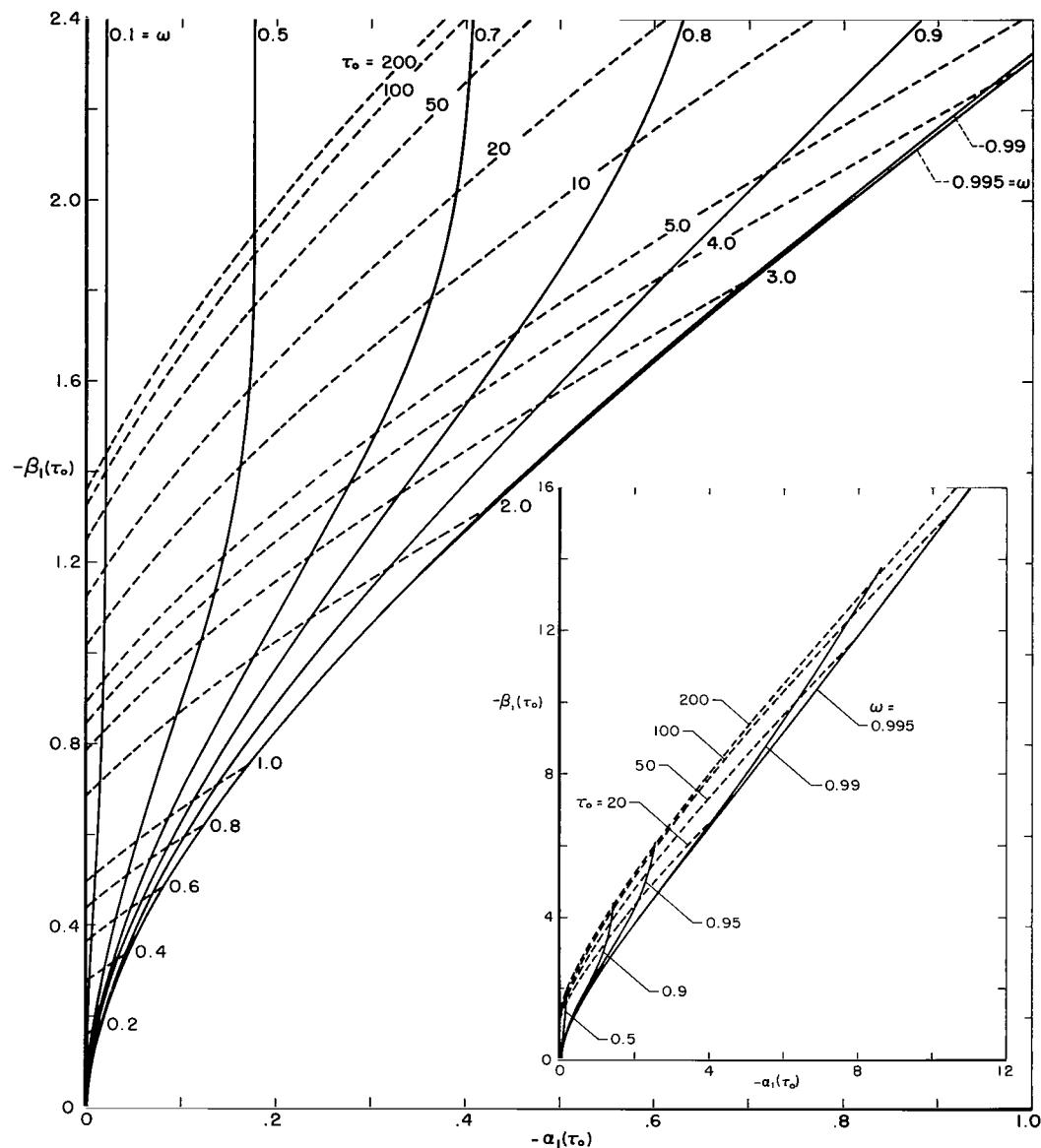


Figure 51.- Moments $-\beta_1(\tau_0)$ vs. $-\alpha_1(\tau_0)$ for noncoherent scattering;
 $0 < \omega \leq 0.995$.

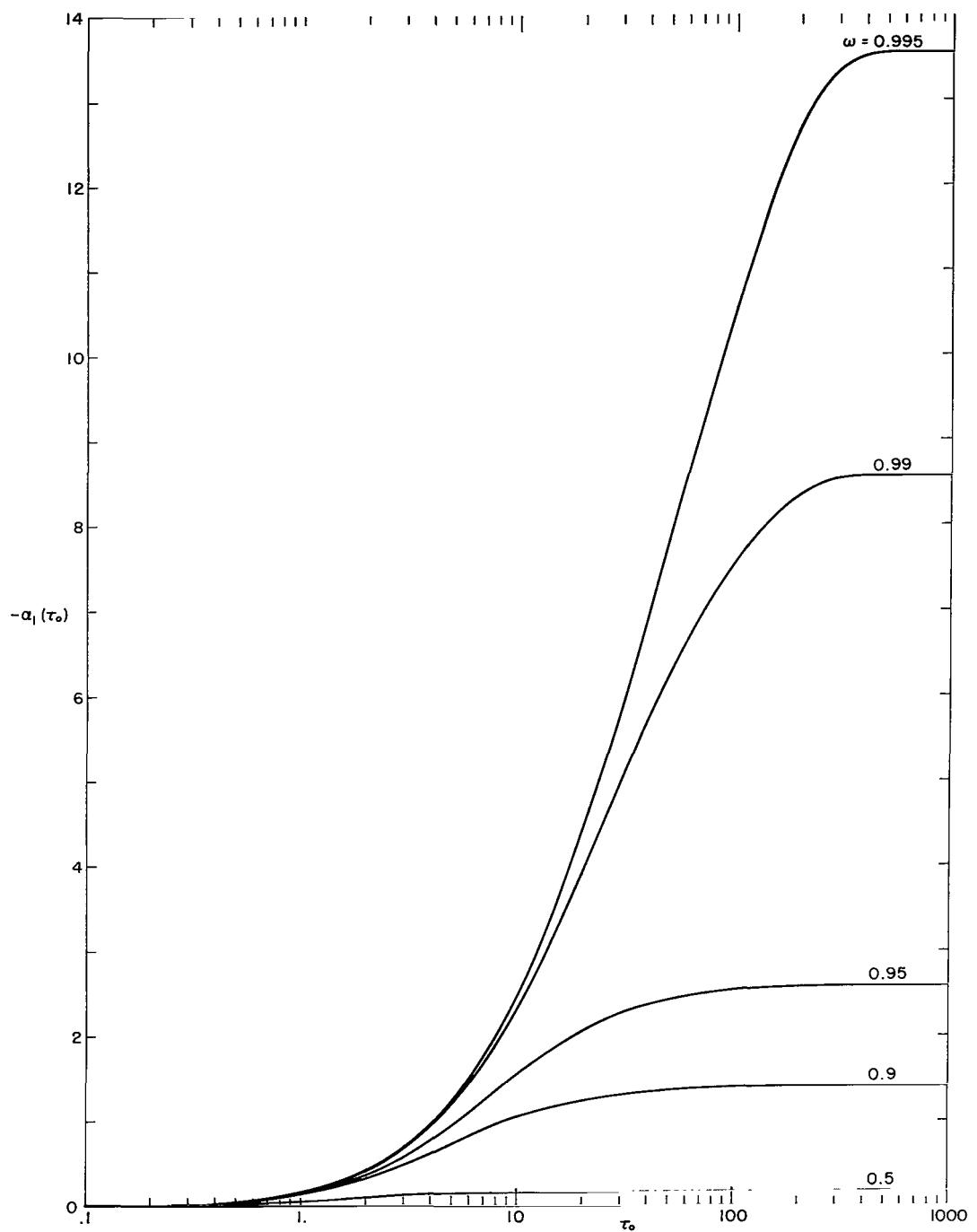


Figure 52.- Moment $-\alpha_1(\tau_0)$ vs. $\ln \tau_0$ for selected values of albedo ω .

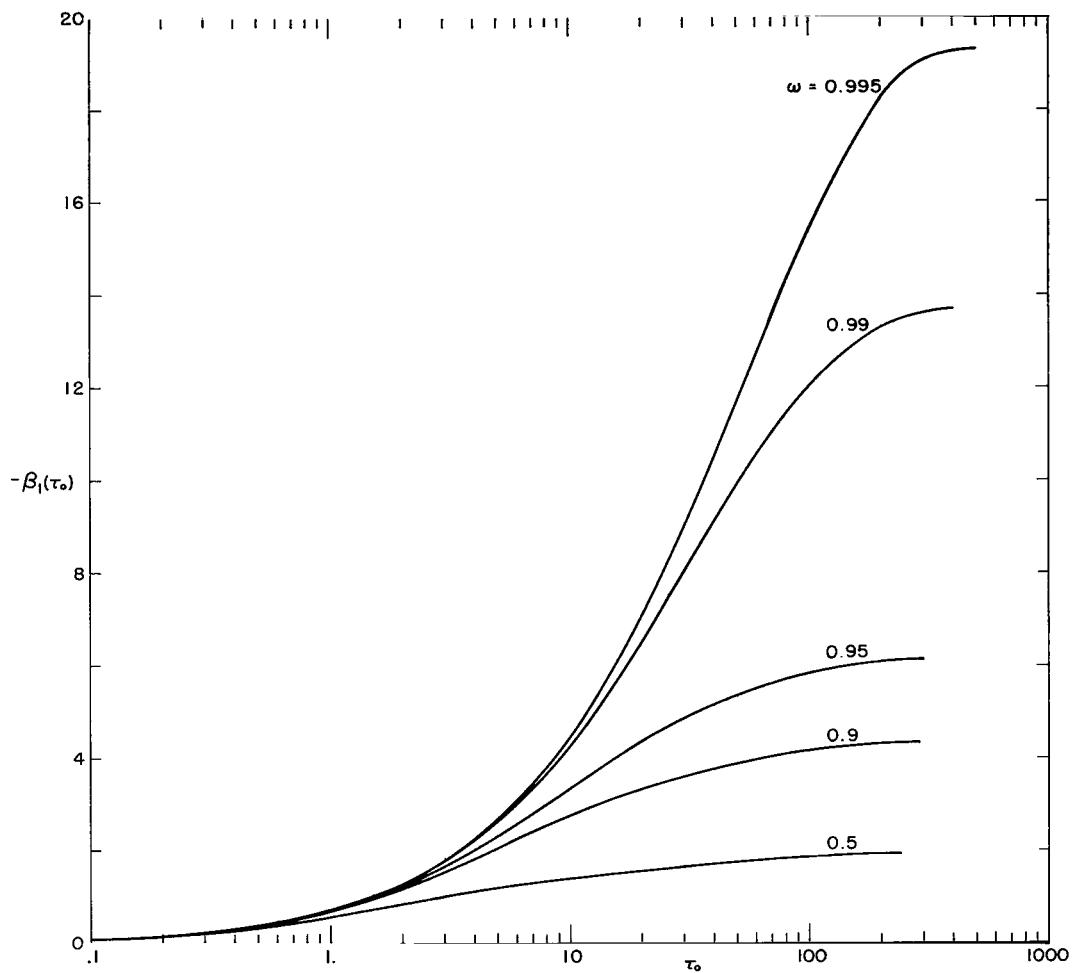


Figure 53.- Moment $-\beta_1(\tau_0)$ vs. $\ln \tau_0$ for selected values of albedo ω .

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